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OM protein - protein search, using sw model

Run on: March 15, 2004, 12:51:25 ; Search time 23.8 Seconds

(Without alignments)
124,208 Million cell updates/sec

Title: US-09-734-002-8
Perfect score: 80
Sequence: 1 TLGNPNHGDNDLFL 14

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:
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2: /cgn2_6/prodata/1/pubppa/PCT_NEW_PUB.pep.*
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4: /cgn2_6/prodata/1/pubppa/US06_PUBCOMB.pep.*
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12: /cgn2_6/prodata/1/pubppa/US09_NEW_PUB.pep.*
13: /cgn2_6/prodata/1/pubppa/US10A_PUBCOMB.pep.*
14: /cgn2_6/prodata/1/pubppa/US10B_PUBCOMB.pep.*
15: /cgn2_6/prodata/1/pubppa/US10C_PUBCOMB.pep.*
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17: /cgn2_6/prodata/1/pubppa/US60_NEW_PUB.pep.*
18: /cgn2_6/prodata/1/pubppa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	80	100.0	14	9	US-09-734-002-8
2	80	100.0	607	9	US-09-734-002-2
3	80	100.0	607	9	US-09-801-196-29
4	80	100.0	607	14	US-10-176-847-88
5	80	100.0	607	14	US-10-131-985-47
6	72	90.0	532	9	US-09-891-160-2
7	72	90.0	618	14	US-10-406-209-5
8	72	90.0	645	14	US-10-406-209-6
9	72	90.0	645	14	US-10-131-985-57
10	48	60.0	856	15	US-10-369-493-3843
11	46	57.5	114	9	US-09-864-761-36859
12	42	52.5	149	15	US-10-289-762-1216
13	41	51.2	298	14	US-10-156-761-11529
14	41	51.2	3871	15	US-10-369-493-6538
15	41	51.2	3871	15	US-10-369-493-6539

16	40	50.0	239	9	US-09-995-598-62	Sequence 62, Appl
17	40	50.0	258	9	US-09-995-598-60	Sequence 60, Appl
18	33	48.8	53	10	US-09-895-298-177	Sequence 177, App
19	33	48.8	156	9	US-09-840-479-7	Sequence 7, Appl1
20	33	48.8	246	10	US-09-895-298-175	Sequence 175, Appl
21	33	48.8	368	15	US-10-264-049-2323	Sequence 2323, Ap
22	33	48.8	420	15	US-10-027-828-7	Sequence 7, Appl1
23	33	48.8	461	14	US-10-027-828-5	Sequence 5, Appl1
24	33	48.8	528	15	US-10-342-844-88	Sequence 88, Appl
25	33	48.8	614	15	US-10-369-493-19096	Sequence 19096, A
26	33	48.8	643	14	US-10-181-277-2	Sequence 2, Appl1
27	33	48.8	721	13	US-10-025-187-2	Sequence 2, Appl1
28	33	48.8	803	15	US-10-342-844-62	Sequence 62, Appl
29	33	48.8	830	14	US-10-027-828-6	Sequence 6, Appl1
30	33	48.8	870	14	US-10-027-828-13	Sequence 13, Appl
31	33	48.8	871	14	US-10-027-828-8	Sequence 8, Appl1
32	33	48.8	871	14	US-10-027-828-9	Sequence 9, Appl1
33	33	48.8	871	14	US-10-027-828-10	Sequence 10, Appl
34	33	48.8	871	14	US-10-027-828-11	Sequence 11, Appl
35	33	48.8	871	14	US-10-227-255A-1	Sequence 1, Appl1
36	33	48.8	871	14	US-10-171-319-14	Sequence 14, Appl
37	33	48.8	871	15	US-10-342-844-66	Sequence 66, Appl
38	33	48.8	871	15	US-10-342-844-80	Sequence 80, Appl
39	33	48.8	871	15	US-10-342-844-84	Sequence 84, Appl
40	33	48.8	873	13	US-10-342-844-64	Sequence 64, Appl
41	33	48.8	1873	15	US-10-029-413A-22	Sequence 22, Appl
42	33	48.8	2184	14	US-10-304-095-6	Sequence 6, Appl1
43	38	47.5	363	9	US-09-036-613-1	Sequence 1, Appl1
44	38	47.5	402	9	US-09-727-238-4	Sequence 4, Appl1
45	38	47.5	416	15	US-10-369-493-15956	Sequence 15956, A

ALIGNMENTS

RESULT 1
US-09-734-002-8
Sequence 8, Application US/09734002
Patent No. US20010016333A1
GENERAL INFORMATION:
APPLICANT: Moroharu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSER: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734, 002
FILING DATE: 12-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: <Unknown>
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 14

TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-734-002-8

Query Match 100.0%; Score 80; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 8.9e-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TLGNPNHNDGNDLFL 14
DB 1 TLGNPNHNDGNDLFL 14

RESULT 2
US-09-734-002-2
Sequence 2, Application US/09734002
Patent No. US2001001633A1

GENERAL INFORMATION:
APPLICANT: Moticharu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734,002
FILING DATE: 12-Dec-2000
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996

ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: <Unknown>
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250

TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:

LENGTH: 607
TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Protein
ORIGINAL SOURCE:
ORGANISM: Human

SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-734-002-2

Query Match 100.0%; Score 80; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 5.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TLGNPNHNDGNDLFL 14
DB 229 TLGNPNHNDGNDLFL 242

RESULT 3

US-09-801-196-29
Sequence 29, Application US/09801196
Patent No. US20020037827A1

GENERAL INFORMATION:
APPLICANT: Wang, Kai
APPLICANT: Smith, Ryan
APPLICANT: Fajardo, Mark
APPLICANT: Moss, Patrick
TITLE OF INVENTION: A NOVEL MATRIX METALLOPROTEINASE (MMP-25)
TITLE OF INVENTION: EXPRESSED IN SKIN CELLS
FILE REFERENCE: 240083.509
CURRENT APPLICATION NUMBER: US/09/801,196
CURRENT FILING DATE: 2001-03-06
NUMBER OF SEQ ID NOS: 37
SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO: 29
LENGTH: 607
TYPE: PRT
ORGANISM: Homo sapiens
US-09-801-196-29

Query Match 100.0%; Score 80; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 5.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TLGNPNHNDGNDLFL 14
DB 229 TLGNPNHNDGNDLFL 242

RESULT 4
US-10-176-847-88

Sequence 88, Application US/10176847
Publication No. US20030068636A1

GENERAL INFORMATION:
APPLICANT: Velby, Peter Ole
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREA
TITLE OF INVENTION: AND OVARIAN CANCER
FILE REFERENCE: MRI-039

CURRENT APPLICATION NUMBER: US/10/176,847
CURRENT FILING DATE: 2002-06-21
NUMBER OF SEQ ID NOS: 112
SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO: 88
LENGTH: 607
TYPE: PRT
ORGANISM: Homo sapiens
US-10-176-847-88

Query Match 100.0%; Score 80; DB 14; Length 607;
Best Local Similarity 100.0%; Pred. No. 5.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TLGNPNHNDGNDLFL 14
DB 229 TLGNPNHNDGNDLFL 242

RESULT 5
US-10-131-985-47

Sequence 47, Application US/10131985
Publication No. US20030199440A1

GENERAL INFORMATION:
APPLICANT: Dack, Kevin N
APPLICANT: Davies, Michael J
APPLICANT: Fish, Paul V
APPLICANT: Huggins, Jonathan P
APPLICANT: McIntosh, Fraser S
APPLICANT: Ocleston, Nicholas L
TITLE OF INVENTION: Composition
FILE REFERENCE: PCS 10391A
CURRENT APPLICATION NUMBER: US/10/131,985

;/ CURRENT FILING DATE: 2002-04-25
;/ PRIOR APPLICATION NUMBER: US/09/726,295
;/ PRIOR FILING DATE: 2000-11-30
;/ PRIOR APPLICATION NUMBER: GB 9930768.8
;/ PRIOR FILING DATE: 1999-12-29
;/ NUMBER OF SEQ ID NOS: 60
;/ SOFTWARE: PatentIn Ver. 2.1
;/ SEQ ID NO 47
;/ LENGTH: 607
;/ TYPE: PRT
;/ ORGANISM: Homo sapiens
US-10-131-985-47

Query Match 100.0%; Score 80; DB 14; Length 607;
Best Local Similarity 100.0%; Pred. No. 5.5e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TLGNPNHNDGNDLFL 14
Db 229 TLGNPNHNDGNDLFL 242

RESULT 6
US-09-891-160-2
;/ Sequence 2, Application US/09891160
;/ Patent No. US20020103354A1
;/ GENERAL INFORMATION:
;/ APPLICANT: Anthony J. Arleth
;/ APPLICANT: Anne Romanic-Arnold
;/ APPLICANT: Xiaolong Li
;/ APPLICANT: Yuan Zhu
;/ TITLE OF INVENTION: A SPLICING VARIANT OF HUMAN
;/ TITLE OF INVENTION: MEMBRANE-TYPE MATRIX METALLOPROTEINASE-5 (MT-MMP5-L)
;/ FILE REFERENCE: GH-70613-D1
;/ CURRENT APPLICATION NUMBER: US/09/891,160
;/ CURRENT FILING DATE: 2001-06-25
;/ PRIOR APPLICATION NUMBER: US 09/294,841
;/ PRIOR FILING DATE: 1999-04-20
;/ PRIOR APPLICATION NUMBER: PCT/US00/10539
;/ PRIOR FILING DATE: 2000-04-19
;/ NUMBER OF SEQ ID NOS: 2
;/ SOFTWARE: FastSeq for Windows Version 3.0
;/ SEQ ID NO 2
;/ LENGTH: 532
;/ TYPE: PRT
;/ ORGANISM: HOMO SAPIENS
US-09-891-160-2

Query Match 90.0%; Score 72; DB 9; Length 532;
Best Local Similarity 92.9%; Pred. No. 0.001;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TLGNPNHNDGNDLFL 14
Db 152 TLGNPNHNDGNDLFL 165

RESULT 7
US-10-406-209-5
;/ Sequence 5, Application US/10406209
;/ Publication No. US20030170758A1
;/ GENERAL INFORMATION:
;/ APPLICANT: KYOMA HAKKO KOGYO CO., LTD.
;/ TITLE OF INVENTION: NOVEL ANTIBODIES, DRUGS CONTAINING THESE ANTIBODIES AND
;/ TITLE OF INVENTION: METHODS FOR
;/ TITLE OF INVENTION: SCREENING COMPOUNDS BY USING THESE ANTIBODIES
;/ FILE REFERENCE: 1241.19
;/ CURRENT APPLICATION NUMBER: US/10/406,209
;/ CURRENT FILING DATE: 2003-04-04
;/ PRIOR APPLICATION NUMBER: US/09/806,228C
;/ PRIOR FILING DATE: 2001-08-30
;/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/JP99/05350
;/ PRIOR FILING DATE: EARLIER FILING DATE: 1999-09-29

;/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: JP 10-291501
;/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
;/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: JP 10-291503
;/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
;/ NUMBER OF SEQ ID NOS: 28
;/ SOFTWARE: PatentIn Ver. 2.0
;/ SEQ ID NO 5
;/ LENGTH: 618
;/ TYPE: PRT
;/ ORGANISM: Mouse
US-10-406-209-5

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Best Local Similarity 92.9%; Pred. No. 0.0012;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TLGNPNHNDGNDLFL 14
Db 238 TLGNPNHNDGNDLFL 251

RESULT 8
US-10-406-209-6
;/ Sequence 6, Application US/10406209
;/ Publication No. US20030170758A1
;/ GENERAL INFORMATION:
;/ APPLICANT: KYOMA HAKKO KOGYO CO., LTD.
;/ TITLE OF INVENTION: NOVEL ANTIBODIES, DRUGS CONTAINING THESE ANTIBODIES AND
;/ TITLE OF INVENTION: METHODS FOR
;/ TITLE OF INVENTION: SCREENING COMPOUNDS BY USING THESE ANTIBODIES
;/ FILE REFERENCE: 1241.19
;/ CURRENT APPLICATION NUMBER: US/10/406,209
;/ CURRENT FILING DATE: 2003-04-04
;/ PRIOR APPLICATION NUMBER: US/09/806,228C
;/ PRIOR FILING DATE: 2001-08-30
;/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/JP99/05350
;/ PRIOR FILING DATE: EARLIER FILING DATE: 1999-09-29
;/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: JP 10-291501
;/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
;/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: JP 10-291503
;/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
;/ NUMBER OF SEQ ID NOS: 28
;/ SOFTWARE: PatentIn Ver. 2.0
;/ SEQ ID NO 6
;/ LENGTH: 645
;/ TYPE: PRT
;/ ORGANISM: Homo sapiens
US-10-406-209-6

Query Match 90.0%; Score 72; DB 14; Length 645;
Best Local Similarity 92.9%; Pred. No. 0.0013;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TLGNPNHNDGNDLFL 14
Db 265 TLGNPNHNDGNDLFL 278

RESULT 9
US-10-131-985-57
;/ Sequence 57, Application US/10131985
;/ Publication No. US20030199440A1
;/ GENERAL INFORMATION:
;/ APPLICANT: Dack, Kevin N
;/ APPLICANT: Davies, Michael J
;/ APPLICANT: Fish, Paul V
;/ APPLICANT: Huggins, Jonathan P
;/ APPLICANT: McInnes, Fraser S
;/ APPLICANT: McClellan, Nicholas L
;/ TITLE OF INVENTION: Composition
;/ FILE REFERENCE: PCS 10391A
;/ CURRENT APPLICATION NUMBER: US/10/131,985
;/ CURRENT FILING DATE: 2002-04-25

PRIOR APPLICATION NUMBER: US/09/726,295
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: GB 9930768.8
PRIOR FILING DATE: 1999-12-29
NUMBER OF SEQ ID NOS: 60
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 57
LENGTH: 645
TYPE: PRT
ORGANISM: Homo sapiens
US-10-131-985-57

Query Match 90.0%; Score 72; DB 14; Length 645;
Best Local Similarity 92.9%; Pred. No. 0.0013;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TLGNPNHGDPL 14
DB 265 TLGNANHGDPL 278

RESULT 10
US-10-369-493-3843
Sequence 3843, Application US/10369493
Publication No. US20030233675A1
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 3843
LENGTH: 856
TYPE: PRT
ORGANISM: Neurospora crassa
FEATURE:
NAME/KEY: unsure
LOCATION: (1) (856)
OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-3843

Query Match 60.0%; Score 48; DB 15; Length 856;
Best Local Similarity 70.0%; Pred. No. 17;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 5 PNHGDPL 14
DB 139 PNHGTDLYI 148

RESULT 11
US-09-864-761-36859
Sequence 36859, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aeomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 36859
LENGTH: 114
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL121752.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.9
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.6
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.4
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.1
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
OTHER INFORMATION: EXPRESSED IN HB100, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.2
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
OTHER INFORMATION: EST HUMAN HIT: AUI19732.1, EVALUE 3.00e-47
OTHER INFORMATION: SWISSPROT HIT: P51512, EVALUE 3.00e-48
US-09-864-761-36859

Query Match 57.5%; Score 46; DB 9; Length 114;
Best Local Similarity 88.9%; Pred. No. 4.1;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TLGNPNHGD 9
DB 94 TLGNANHGD 102

RESULT 12
US-10-289-762-1216
Sequence 1216, Application US/10289762
Publication No. US20040006218A1
GENERAL INFORMATION:
APPLICANT: Griffiths, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, frag

```

; TITLE OF INVENTION: thereof and uses thereof in particular for the diagnosis, prev
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/10/289,762
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1216
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-10-289-762-1216

Query Match          52.5%; Score 42; DB 15; Length 149;
Best Local Similarity 72.7%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      4 NPNHGDNDLFL 14
Db      41 NPNHYGHDLGL 51

RESULT 13
US-10-156-761-11529
; Sequence 11529, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 11529
; LENGTH: 298
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-11529

Query Match          51.2%; Score 41; DB 14; Length 298;
Best Local Similarity 72.7%; Pred. No. 79;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 TLGNPNHDND 11
Db      192 TLGVNEDGND 202

RESULT 14
US-10-369-493-6538
; Sequence 6538, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
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; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 6538
; LENGTH: 3871
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-369-493-6538

Query Match          51.2%; Score 41; DB 15; Length 3871;
Best Local Similarity 70.0%; Pred. No. 1.3e+03;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 TLGNPNHDND 10
Db      2218 TLTSFNYDGN 2227

RESULT 15
US-10-369-493-6539
; Sequence 6539, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 6539
; LENGTH: 3871
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-369-493-6539

Query Match          51.2%; Score 41; DB 15; Length 3871;
Best Local Similarity 70.0%; Pred. No. 1.3e+03;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 TLGNPNHDND 10
Db      2218 TLTSFNYDGN 2227

Search completed: March 15, 2004, 12:58:13
Job time : 23.8 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 15, 2004, 12:48:00 ; Search time 12.3667 Seconds
(without alignments)
58.444 Million cell updates/sec

Title: US-09-734-002-8
Perfect score: 80
Sequence: 1 TLGNPNHDNDLFL 14

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA:
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/PCITS.COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfilest.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	80	100.0	14	3	US-09-000-041A-8
2	80	100.0	604	4	US-09-391-104-30
3	80	100.0	607	3	US-09-000-041A-2
4	80	100.0	607	3	US-09-211-704A-10
5	72	90.0	532	3	US-09-294-841-2
6	43	53.8	129	4	US-09-107-532A-5649
7	42	52.5	149	4	US-09-198-452A-1216
8	40	50.0	670	4	US-09-543-681A-5979
9	40	50.0	677	4	US-09-543-681A-5460
10	40	50.0	1507	6	5268270-2
11	39	48.8	156	4	US-09-257-583-7
12	39	48.8	353	2	US-08-865-203-4
13	39	48.8	353	2	US-07-849-420-4
14	39	48.8	353	3	US-09-253-854-4
15	39	48.8	353	3	US-08-955-424-4
16	39	48.8	1872	6	5386025-6
17	39	48.8	1873	1	US-08-435-675B-4
18	39	48.8	1873	1	US-08-336-257A-7
19	39	48.8	2184	1	US-09-417-485D-6
20	38	47.5	402	4	US-09-319-893-4
21	38	47.5	402	4	US-09-727-238-4
22	38	47.5	579	3	US-08-704-711A-1
23	38	47.5	579	4	US-09-521-220-1
24	38	47.5	581	4	US-10-023-515-2
25	38	47.5	582	3	US-08-704-711A-2
26	38	47.5	582	3	US-08-448-489-1
27	38	47.5	582	3	US-09-211-704A-9

28	38	47.5	582	4	US-09-521-220-2	Sequence 2, Appl 1
29	38	47.5	582	4	US-09-391-104-28	Sequence 28, Appl 1
30	38	47.5	832	4	US-09-252-891A-17267	Sequence 17267, A
31	37	46.2	26	3	US-08-814-052-34	Sequence 34, Appl 1
32	37	46.2	26	3	US-08-812-829-26	Sequence 26, Appl 1
33	37	46.2	36	1	US-08-361-920-16	Sequence 16, Appl 1
34	37	46.2	36	1	US-08-479-939-16	Sequence 16, Appl 1
35	37	46.2	36	1	US-08-483-432-16	Sequence 16, Appl 1
36	37	46.2	271	4	US-09-252-891A-10514	Sequence 10514, A
37	37	46.2	274	4	US-09-314-001C-3586	Sequence 3586, Ap
38	37	46.2	452	4	US-09-252-891A-23336	Sequence 23336, A
39	37	46.2	469	4	US-09-254-504-5	Sequence 5, Appl 1
40	37	46.2	1476	4	US-09-817-514A-4	Sequence 4, Appl 1
41	37	46.2	1481	3	US-09-251-645-14	Sequence 14, Appl 1
42	36	45.0	171	3	US-09-011-735-2	Sequence 2, Appl 1
43	36	45.0	171	4	US-09-029-156-2	Sequence 2, Appl 1
44	36	45.0	187	4	US-09-328-352-5718	Sequence 5718, Ap
45	36	45.0	261	3	US-08-927-219-55	Sequence 55, Appl 1

ALIGNMENTS

RESULT 1
US-09-000-041A-8
Sequence 8, Application US/09000041A
Patent No. 6191255
GENERAL INFORMATION:
APPLICANT: Motorola SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wendertoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/000, 041A
FILING DATE: January 13, 1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX:
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 14
TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
US-09-000-041A-8

Query Match 100.0%; Score 80; DB 3; Length 14;
Best Local Similarity 100.0%; Pred. NO. 3.3e-07;
Matches 14; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;
1 TLGNPNHDNDLFL 14
|||||

Db 1 TLGNPNHGDNDLFL 14

RESULT 2

US-09-391-104-30
Sequence 30, Application US/09391104
Patent No. 6399371
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Falduto, Michael T.
APPLICANT: Magnuson, Scott R.
APPLICANT: Morgan, Douglas W.
TITLES OF INVENTION: HUMAN MATRIX METALLOPROTEASE GENE,
TITLES OF INVENTION: PROTEINS ENCODED THEREFROM AND METHODS
FILE REFERENCE: 6073.US.P1
CURRENT FILING DATE: 1999-09-07
PRIORITY FILING DATE: 1997-03-11
PRIORITY FILING DATE: 1997-03-11
NUMBER OF SEQ ID NOS: 35
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 30
LENGTH: 604
TYPE: PRT
ORGANISM: Homo sapiens
US-09-391-104-30

Query Match 100.0%; Score 80; DB 4; Length 604;
Best Local Similarity 100.0%; Pred. No. 2.4e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TLGNPNHGDNDLFL 14

Db 229 TLGNPNHGDNDLFL 242

RESULT 3

US-09-000-041A-2
Sequence 2, Application US/0900041A
Patent No. 6191255
GENERAL INFORMATION:
APPLICANT: Motoharu SEIKI et al.
TITLES OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/000,041A
FILING DATE: January 13, 1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX:
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 607
TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Protein
ORIGINAL SOURCE:
ORGANISM: Human
US-09-000-041A-2

Query Match 100.0%; Score 80; DB 3; Length 607;
Best Local Similarity 100.0%; Pred. No. 2.4e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TLGNPNHGDNDLFL 14

Db 229 TLGNPNHGDNDLFL 242

RESULT 4

US-09-211-704A-10
Sequence 10, Application US/09211704A
Patent No. 6271014
GENERAL INFORMATION:
APPLICANT: de Saint-Vis, Blandine Marie
APPLICANT: Fossiez, Francois
APPLICANT: Gaux, Christophe
APPLICANT: Lebecque, Serge J.E.
TITLES OF INVENTION: Mammalian Proteinases; Related Reagents
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/211,704A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/005,263
FILING DATE: 09-JAN-1998
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0781K
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-9196
TELEFAX: (650) 496-1200
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 607 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-211-704A-10

Query Match 100.0%; Score 80; DB 3; Length 607;
Best Local Similarity 100.0%; Pred. No. 2.4e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TLGNPNHGDNDLFL 14

Db 229 TLGNPNHGDNDLFL 242

```
RESULT 5
US-09-294-841-2
; Sequence 2, Application US/09294841A
; Patent No. 6274717
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Arleth
; APPLICANT: Anne Romanic Arnold
; APPLICANT: Xiaolong Li
; APPLICANT: Yuan Zhu
; TITLE OF INVENTION: A SPLICING VARIANT OF HUMAN MEMBRANE-TYPE
; TITLE OF INVENTION: MATRIX METALLOPROTEINASE-5 (MT-MMP5-L)
; FILE REFERENCE: GH-70613
; CURRENT APPLICATION NUMBER: US/09/294,841A
; CURRENT FILING DATE: 1999-04-20
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO: 2
; LENGTH: 532
; TYPE: PRT
; ORGANISM: HOMO SAPIEN
US-09-294-841-2

Query Match          90.0%; Score 72; DB 3; Length 532;
Best Local Similarity 92.9%; Pred. No. 0.00045;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 TGNPNHNDGNDLFL 14
Db      152 TIGNAHNDGNDLFL 165

RESULT 6
US-09-107-532A-5649
; Sequence 5649, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Arinello, Pamela Deneka
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5649:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 amino acids
; TYPE: amino acid
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```
TOPOLGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc.feature
LOCATION: (B) LOCATION 1...129
SEQUENCE DESCRIPTION: SEQ ID NO: 5649:
US-09-107-532A-5649

Query Match          53.8%; Score 43; DB 4; Length 129;
Best Local Similarity 61.5%; Pred. No. 6.2;
Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      2 LGNPNHNDGNDLFL 14
Db      86 LGNPNHNDGNDLFL 98

RESULT 7
US-09-198-452A-1216
; Sequence 1216, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragm
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, f
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO: 1216
; LENGTH: 149
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-1216

Query Match          52.5%; Score 42; DB 4; Length 149;
Best Local Similarity 72.7%; Pred. No. 11;
Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      4 NNNHNDGNDLFL 14
Db      41 NNNHNDGNDLFL 51

RESULT 8
US-09-543-681A-5979
; Sequence 5979, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MI
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709-1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO: 5979
; LENGTH: 670
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-5979

Query Match          50.0%; Score 40; DB 4; Length 670;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 9; Conservative 1; Mismatches 2; Indels 6; Gaps 1;

QY      2 LGNP-----NHDGNDLFL 13
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Db 463 IGNPFDNNIIGSDNDLF 480

RESULT 9

US-09-543-681A-5460
; Sequence 5460, Application US/09543681A
; Patent No. 6605708
; GENERAL INFORMATION:
; APPLICANT: GARY BRETTON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; PRIORITY FILING DATE: 2000-04-05
; PRIORITY APPLICATION NUMBER: US 60/128,706
; PRIORITY FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 5460
; LENGTH: 677
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-5460

Query Match 50.0%; Score 40; DB 4; Length 677;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 9; Conservative 1; Mismatches 2; Indels 6; Gaps 1;

QY 2 LGNP-----NHGDNDLF 13

Db 470 IGNPFDNNIIGSDNDLF 487

RESULT 10

5268270-2
; Patent No. 5268270
; APPLICANT: Meyer, Thomas F., Halter, Roman, Pohlner, Johannes
; TITLE OF INVENTION: PROCESS FOR PRODUCING PROTEINS USING GRAM
; NEGATIVE HOST CELLS
; NUMBER OF SEQUENCES: 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/171,872
; FILING DATE: 01-JUL-1987
; SEQ ID NO: 2
; LENGTH: 1507
5268270-2

Query Match 50.0%; Score 40; DB 6; Length 1507;
Best Local Similarity 63.6%; Pred. No. 3.2e+02;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 3 GNPNDNDLF 13

Db 899 GEPNQGSDLF 909

RESULT 11

US-09-257-583-7
; Sequence 7, Application US/09257583A
; Patent No. 6429362
; GENERAL INFORMATION:
; APPLICANT: Crane, Virginia
; TITLE OF INVENTION: Family Of Maize PR-1 Genes And Promoters
; FILE REFERENCE: 5718-32, 035718/175219
; CURRENT APPLICATION NUMBER: US/09/257,583A
; CURRENT FILING DATE: 1999-02-25
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 156
; TYPE: PRT
; ORGANISM: Zea mays
US-09-257-583-7

Query Match 48.8%; Score 39; DB 4; Length 156;
Best Local Similarity 54.5%; Pred. No. 36;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 GNPNDNDLF 13

Db 60 GGNPNYGENIF 70

RESULT 12

US-08-865-203-4
; Sequence 4, Application US/08865203
; Patent No. 5935815
; GENERAL INFORMATION:
; APPLICANT: van de Ven, Willem Jan Marie
; APPLICANT: van den Ouweland, Anna Maria Wilhelmina
; APPLICANT: van Duljnhoven, Johannes Lambertus Petrus
; APPLICANT: Robroek, Antonius Johannes Maria
; APPLICANT: Koning, Piet Nico Maria
; TITLE OF INVENTION: Pharmaceutical Composition Having An
; TITLE OF INVENTION: Endoproteolytic Activity; A Process For
; TITLE OF INVENTION: Endoproteolytically Processing (Precursor)
; TITLE OF INVENTION: Proteins And For The (Micro)Biological
; TITLE OF INVENTION: Production Of Proteins
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOFFMANN & BARON, LLP
; STREET: 350 Jericho Turnpike
; CITY: Jericho
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 11753
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/865,203
; FILING DATE: 29-MAY-1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Tran, Jessica H.
; REGISTRATION NUMBER: 40,846
; REFERENCE/DOCKET NUMBER: 294-41 DIV II
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 822-3550
; TELEFAX: (516) 822-3582
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 353 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-865-203-4

Query Match 48.8%; Score 39; DB 2; Length 353;
Best Local Similarity 66.7%; Pred. No. 90;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 4 NPNNDNDL 12

Db 19 NPNYNDV 27

RESULT 13

US-07-849-420-4
; Sequence 4, Application US/07849420
; Patent No. 5989856
; GENERAL INFORMATION:

APPLICANT: van de Ven, Willem Jan Marie
APPLICANT: van den Ouweland, Anna Maria Wilhelmina
APPLICANT: van Duijnhoven, Johannes Lambertus Petrus
APPLICANT: Robroek, Antonius Johannes Maria
APPLICANT: Konig, Piet Nico Maria
TITLE OF INVENTION: Pharmaceutical Composition Having An
TITLE OF INVENTION: Endoproteolytic Activity; A Process for
TITLE OF INVENTION: Endoproteolytically Processing (Precursor)
TITLE OF INVENTION: Proteins And For The (Micro)Biological
TITLE OF INVENTION: Production Of Proteins
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: COOPER & DUNHAM
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/849,420
FILING DATE: 19920624
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Moran, Thomas F.
REGISTRATION NUMBER: 16,579
REFERENCE/DOCKET NUMBER: 2805/41413
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 977-9550
TELEFAX: (212) 977-9550
TELEX: 422523 COOP UT
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 353 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-849-420-4
Query Match 48.8%; Score 39; DB 2; Length 353;
Best Local Similarity 66.7%; Pred. No. 90;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 4 NPNHGDNDL 12
Db 19 NPNYPGNDV 27
RESULT 14
US-09-253-854-4
Sequence 4, Application US/09253854
Patent No. 6137217
GENERAL INFORMATION:
APPLICANT: van de Ven, Willem Jan Marie,
APPLICANT: van den Ouweland, Anna Maria Wilhelmina;
APPLICANT: van Duijnhoven, Johannes Lambertus Petrus;
APPLICANT: Robroek, Antonius Johannes Maria; and
APPLICANT: Konig, Piet Nico Maria
TITLE OF INVENTION: Pharmaceutical Composition Having An
TITLE OF INVENTION: Endoproteolytic Activity; A Process for
TITLE OF INVENTION: Endoproteolytically Processing (Precursor)
TITLE OF INVENTION: Proteins And For The (Micro)Biological
TITLE OF INVENTION: Production Of Proteins
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOFMANN & BARON, LLP
STREET: 350 Jericho Turnpike
CITY: Jericho

STATE: New York
COUNTRY: U.S.A.
ZIP: 11753
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/253,854
FILING DATE: Unassigned
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Tran, Jessica H.
REGISTRATION NUMBER: 40,846
REFERENCE/DOCKET NUMBER: 294-41 DIV II/CON
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 822-3550
TELEFAX: (516) 822-3582
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 353 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-253-854-4
Query Match 48.8%; Score 39; DB 3; Length 353;
Best Local Similarity 66.7%; Pred. No. 90;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 4 NPNHGDNDL 12
Db 19 NPNYPGNDV 27
RESULT 15
US-08-955-424-4
Sequence 4, Application US/08955424
Patent No. 6274365
GENERAL INFORMATION:
APPLICANT: van de Ven, Willem Jan Marie
APPLICANT: van den Ouweland, Anna Maria Wilhelmina
APPLICANT: van Duijnhoven, Johannes Lambertus Petrus
APPLICANT: Konig, Piet Nico Maria
APPLICANT: Robroek, Antonius Johannes Maria
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITION HAVING AN ENDOPEPTOLYTIC
TITLE OF INVENTION: ACTIVITY; A PROCESS FOR ENDOPEPTOLYTICALLY PROCESSING
TITLE OF INVENTION: PROTEINS AND FOR THE (MICRO)BIOLOGICAL
TITLE OF INVENTION: PRODUCTION OF PROTEINS
FILE REFERENCE: SEQUENCE LISTINGS 1-12 294-41 DIV/FWC
CURRENT APPLICATION NUMBER: US/08/955,424
EARLIER FILING DATE: 1997-10-22
EARLIER APPLICATION NUMBER: 08/568,152
EARLIER FILING DATE: 1995-06-12
EARLIER APPLICATION NUMBER: 07/849,420
EARLIER FILING DATE: 1992-06-24
EARLIER APPLICATION NUMBER: FCT/NL90/00151
EARLIER FILING DATE: 1990-10-21
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 4
LENGTH: 353
TYPE: PRT
ORGANISM: Kluyveromyces fragilis
US-08-955-424-4
Query Match 48.8%; Score 39; DB 3; Length 353;
Best Local Similarity 66.7%; Pred. No. 90;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Mon Mar 15 13:28:04 2004

us-09-734-002-8.ra1

Page 6

Qy 4 NPNHNDL 12
|||: |||:
Db 19 NPNYPGNDV 27

Search completed: March 15, 2004, 12:55:20
Job time : 13.3667 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 15, 2004, 12:51:25 ; Search time 30.6 Seconds
(without alignments)
124.208 Million cell updates/sec

Title: US-09-734-002-7
Perfect score: 86
Sequence: 1 PTSPRMVYVRSATWQSA 18

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
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- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
- 12: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
- 13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
- 14: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
- 16: /cgn2_6/ptodata/1/pubpaa/US10C_NEW_PUB.pep:*
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- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	86	100.0	18	US-09-734-002-7	Sequence 7, Appl1
2	79	91.9	607	US-09-734-002-2	Sequence 2, Appl1
3	79	91.9	607	US-09-801-196-29	Sequence 88, Appl1
4	79	91.9	607	US-10-176-847-88	Sequence 47, Appl1
5	79	91.9	607	US-10-131-985-47	Sequence 3650, Ap
6	44	51.2	355	US-09-738-626-3650	Sequence 3823, Ap
7	42	48.8	1211	US-10-369-493-3823	Sequence 29, Appl
8	42	48.8	1404	US-10-108-605-29	Sequence 6016, Ap
9	41	47.7	73	US-09-864-408A-6016	Sequence 130, App
10	41	47.7	461	US-10-091-438-130	Sequence 34566, A
11	40	46.5	54	US-09-864-761-34566	Sequence 570, App
12	40	46.5	425	US-10-052-586-570	Sequence 570, App
13	40	46.5	425	US-10-174-590-570	Sequence 570, App
14	40	46.5	425	US-10-176-758-570	Sequence 570, App
15	40	46.5	425	US-10-175-737-570	Sequence 570, App

16	40	46.5	425	14	US-10-173-706-570	Sequence 570, App
17	40	46.5	425	14	US-10-175-738-570	Sequence 570, App
18	40	46.5	425	14	US-10-175-752-570	Sequence 570, App
19	40	46.5	425	14	US-10-176-482-570	Sequence 570, App
20	40	46.5	425	14	US-10-176-757-570	Sequence 570, App
21	40	46.5	425	14	US-10-176-913-570	Sequence 570, App
22	40	46.5	425	14	US-10-180-552-570	Sequence 570, App
23	40	46.5	425	14	US-10-180-557-570	Sequence 570, App
24	40	46.5	425	14	US-10-173-700-570	Sequence 570, App
25	40	46.5	425	14	US-10-174-572-570	Sequence 570, App
26	40	46.5	425	14	US-10-174-579-570	Sequence 570, App
27	40	46.5	425	14	US-10-174-582-570	Sequence 570, App
28	40	46.5	425	14	US-10-174-588-570	Sequence 570, App
29	40	46.5	425	14	US-10-175-739-570	Sequence 570, App
30	40	46.5	425	14	US-10-175-740-570	Sequence 570, App
31	40	46.5	425	14	US-10-175-743-570	Sequence 570, App
32	40	46.5	425	14	US-10-176-488-570	Sequence 570, App
33	40	46.5	425	14	US-10-176-492-570	Sequence 570, App
34	40	46.5	425	14	US-10-176-747-570	Sequence 570, App
35	40	46.5	425	14	US-10-176-750-570	Sequence 570, App
36	40	46.5	425	14	US-10-176-985-570	Sequence 570, App
37	40	46.5	425	14	US-10-176-987-570	Sequence 570, App
38	40	46.5	425	14	US-10-176-992-570	Sequence 570, App
39	40	46.5	425	14	US-10-176-993-570	Sequence 570, App
40	40	46.5	425	14	US-10-184-658-570	Sequence 570, App
41	40	46.5	425	14	US-10-176-991-570	Sequence 570, App
42	40	46.5	425	14	US-10-173-695-570	Sequence 570, App
43	40	46.5	425	14	US-10-173-697-570	Sequence 570, App
44	40	46.5	425	14	US-10-173-705-570	Sequence 570, App
45	40	46.5	425	14	US-10-174-576-570	Sequence 570, App

ALIGNMENTS

RESULT 1
US-09-734-002-7
Sequence 7, Application US/09734002
Patent No. US2001001633A1
GENERAL INFORMATION:
APPLICANT: Motocharu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734,002
FILING DATE: 12-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: <Unknown>
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 18

TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 7
US-09-734-002-7

Query Match 100.0%; Score 86; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PTSPRMSVRSATMOSA 18
Db 1 PTSPRMSVRSATMOSA 18

RESULT 2

US-09-734-002-2
Sequence 2, Application US/09734002
Patent No. US20010016333a1

GENERAL INFORMATION:

APPLICANT: Motoharu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734,002

FILING DATE: 12-Dec-2000

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/JP96/01956

FILING DATE: July 12, 1996

ATTORNEY/AGENT INFORMATION:

NAME: Lee Cheng

REGISTRATION NUMBER: 40,949

REFERENCE/DOCKET NUMBER: <Unknown>

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-721-8200

TELEFAX: 202-721-8250

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 607

TYPE: Amino acid

STRANDEDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Protein

ORIGINAL SOURCE:

ORGANISM: Human

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-734-002-2

Query Match 91.9%; Score 79; DB 9; Length 607;
Best Local Similarity 88.9%; Pred. No. 6.5e-05;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 PTSPRMSVRSATMOSA 18
Db 55 PTSPRMSVRSATMOSA 72

RESULT 3

US-09-801-196-29

Sequence 29, Application US/09801196

Patent No. US20020037827a1

GENERAL INFORMATION:

APPLICANT: Wang, Kai

APPLICANT: Smith, Ryan

APPLICANT: Fajardo, Mark

APPLICANT: Mose, Patrick

TITLE OF INVENTION: A NOVEL MATRIX METALLOPROTEINASE (MMP-25)

FILE REFERENCE: 24083.509

CURRENT APPLICATION NUMBER: US/09/801,196

CURRENT FILING DATE: 2001-03-06

NUMBER OF SEQ ID NOS: 37

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 29

LENGTH: 607

TYPE: PRT

ORGANISM: Homo sapiens

US-09-801-196-29

Query Match 91.9%; Score 79; DB 9; Length 607;
Best Local Similarity 88.9%; Pred. No. 6.5e-05;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 PTSPRMSVRSATMOSA 18
Db 55 PTSPRMSVRSATMOSA 72

RESULT 4

US-10-176-847-88

Sequence 88, Application US/10176847

Publication No. US20030068636a1

GENERAL INFORMATION:

APPLICANT: Velby, Petter Ole

TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR

TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAK

FILE REFERENCE: MRI-039

CURRENT APPLICATION NUMBER: US/10/176,847

CURRENT FILING DATE: 2002-06-21

NUMBER OF SEQ ID NOS: 112

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 88

LENGTH: 607

TYPE: PRT

ORGANISM: Homo sapiens

US-10-176-847-88

Query Match 91.9%; Score 79; DB 14; Length 607;
Best Local Similarity 88.9%; Pred. No. 6.5e-05;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 PTSPRMSVRSATMOSA 18
Db 55 PTSPRMSVRSATMOSA 72

RESULT 5

US-10-131-985-47

Sequence 47, Application US/10131985

Publication No. US2003019440a1

GENERAL INFORMATION:

APPLICANT: Dack, Kevin N

APPLICANT: Davies, Michael J

APPLICANT: Fish, Paul V

APPLICANT: Huggins, Jonathan P

APPLICANT: McIntosh, Fraser S

APPLICANT: Occlleston, Nicholas L

TITLE OF INVENTION: Composition

FILE REFERENCE: PCS 10391A

CURRENT APPLICATION NUMBER: US/10/131,985

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/ CURRENT FILING DATE: 2002-04-25
/ PRIOR APPLICATION NUMBER: US/09/726,295
/ PRIOR FILING DATE: 2000-11-30
/ PRIOR APPLICATION NUMBER: GB 9930768.8
/ PRIOR FILING DATE: 1999-12-29
/ NUMBER OF SEQ ID NOS: 60
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 47
/ LENGTH: 607
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-131-985-47

Query Match
Best Local Similarity 91.9%; Score 79; DB 14; Length 607;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PTSPRMSVRSASMTMOSA 18
Db 55 PTDPRMSVRSASMTMOSA 72

RESULT 6
US-09-738-626-3650
/ Sequence 3650, Application US/09738626
/ Publication No. US20020197605A1
/ GENERAL INFORMATION:
/ APPLICANT: NAKAGAWA, SATOSHI
/ APPLICANT: MIZOGUCHI, HIROSHI
/ APPLICANT: ANDO, SEIKO
/ APPLICANT: HAYASHI, MIKIRO
/ APPLICANT: OCHIAI, KEIKO
/ APPLICANT: YOKOI, HARUHIKO
/ APPLICANT: TATEISHI, NAOKO
/ APPLICANT: SENO, AKIHIRO
/ APPLICANT: IKEDA, MASATO
/ APPLICANT: OZAKI, AKIO
/ TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
/ FILE REFERENCE: 249-125
/ CURRENT APPLICATION NUMBER: US/09/738,626
/ CURRENT FILING DATE: 2000-12-18
/ PRIOR APPLICATION NUMBER: JP 99/377484
/ PRIOR FILING DATE: 1999-12-16
/ PRIOR APPLICATION NUMBER: JP 00/159162
/ PRIOR FILING DATE: 2000-04-07
/ PRIOR APPLICATION NUMBER: JP 00/280988
/ PRIOR FILING DATE: 2000-08-03
/ NUMBER OF SEQ ID NOS: 7059
/ SOFTWARE: PatentIn Ver. 3.0
/ SEQ ID NO 3650
/ LENGTH: 355
/ TYPE: PRT
/ ORGANISM: Corynebacterium glutamicum
US-09-738-626-3650

Query Match
Best Local Similarity 51.2%; Score 44; DB 9; Length 355;
Matches 9; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 2 TSPRMSVRSASMTM 16
Db 136 TTPMKVIRSDTQ 150

RESULT 7
US-10-369-493-3823
/ Sequence 3823, Application US/10369493
/ Publication No. US2003023365A1
/ GENERAL INFORMATION:
/ APPLICANT: Cao, Yongwei
/ APPLICANT: Hunkle, Gregory J.
/ APPLICANT: Slater, Steven C.
/ APPLICANT: Goldman, Barry S.

/ APPLICANT: Chen, Xianfeng
/ TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
/ TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
/ FILE REFERENCE: 38-10(52052)B
/ CURRENT APPLICATION NUMBER: US/10/369,493
/ CURRENT FILING DATE: 2003-02-28
/ PRIOR APPLICATION NUMBER: US 60/360,039
/ PRIOR FILING DATE: 2002-02-21
/ NUMBER OF SEQ ID NOS: 47374
/ SEQ ID NO 3823
/ LENGTH: 1211
/ TYPE: PRT
/ ORGANISM: Neurospora crassa
/ FEATURES:
/ NAME/KEY: unsure
/ LOCATION: (1)..(1211)
/ OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-3823

Query Match
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Matches 8; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 1 PTSPRMSVRSASMT 14
Db 285 PTERPSAAPSACT 298

RESULT 8
US-10-108-605-29
/ Sequence 29, Application US/10108605
/ Publication No. US20020160934A1
/ GENERAL INFORMATION:
/ APPLICANT: Broadus, Julie
/ APPLICANT: Stam, Lynn
/ APPLICANT: Bachmann, Jane
/ APPLICANT: Kandari, Kim
/ TITLE OF INVENTION: NUCLEIC ACID SEQUENCES FROM DROSOPHILA MELANOGASTER THAT ENCO
/ TITLE OF INVENTION: PROTEINS ESSENTIAL FOR LARVAL VIABILITY AND USES THEREOF
/ FILE REFERENCE: 31133B
/ CURRENT APPLICATION NUMBER: US/10/108,605
/ CURRENT FILING DATE: 2002-03-27
/ PRIOR APPLICATION NUMBER: US 09/761,142
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US 60/176,418
/ PRIOR FILING DATE: 2000-01-14
/ NUMBER OF SEQ ID NOS: 361
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 29
/ LENGTH: 1404
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
US-10-108-605-29

Query Match
Best Local Similarity 48.8%; Score 42; DB 13; Length 1404;
Matches 9; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 PTPLSRSTRSASTM 15
Db 952 PTPLSRSTRSASTM 966

RESULT 9
US-09-864-408A-6016
/ Sequence 6016, Application US/09864408A
/ Publication No. US20040009474A1
/ GENERAL INFORMATION:
/ APPLICANT: Leach, Martin D.
/ APPLICANT: Shinkets, Richard A.
/ TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides
/ FILE REFERENCE: 21402-012
/ CURRENT APPLICATION NUMBER: US/09/864,408A
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/ CURRENT FILING DATE: 2001-05-24
/ PRIOR APPLICATION NUMBER: 60/206,690
/ PRIOR FILING DATE: 2000-05-24
/ NUMBER OF SEQ ID NOS: 9068.
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 6016
/ LENGTH: 73
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-09-864-408A-6016

Query Match      47.7%; Score 41; DB 11; Length 73;
Best Local Similarity 57.1%; Pred. No. 16;
Matches      8; Conservative      2; Mismatches      4; Indels      0; Gaps      0;

QY      1 PTSPKSVVSAET 14
Db      47 PTGPMVAIRKMT 60

RESULT 10
US-10-091-438-130
/ Sequence 130, Application US/10091,438
/ Publication No. US2003007606A1
/ GENERAL INFORMATION:
/ APPLICANT: Rosen et al.
/ TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
/ FILE REFERENCE: PTZ17C1
/ CURRENT APPLICATION NUMBER: US/10/091,438
/ CURRENT FILING DATE: 2001-01-17
/ PRIOR APPLICATION NUMBER: 09/764,879
/ PRIOR FILING DATE: 2000-01-17
/ PRIOR APPLICATION NUMBER: 60/179,065
/ PRIOR FILING DATE: 2000-01-31
/ PRIOR APPLICATION NUMBER: 60/180,628
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: 60/214,886
/ PRIOR FILING DATE: 2000-06-28
/ PRIOR APPLICATION NUMBER: 60/217,487
/ PRIOR FILING DATE: 2000-07-11
/ PRIOR APPLICATION NUMBER: 60/225,758
/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/220,963
/ PRIOR FILING DATE: 2000-07-26
/ PRIOR APPLICATION NUMBER: 60/217,496
/ PRIOR FILING DATE: 2000-07-11
/ PRIOR APPLICATION NUMBER: 60/225,447
/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/218,290
/ PRIOR FILING DATE: 2000-07-14
/ PRIOR APPLICATION NUMBER: 60/225,757
/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/226,868
/ PRIOR FILING DATE: 2000-08-22
/ PRIOR APPLICATION NUMBER: 60/216,547
/ PRIOR FILING DATE: 2000-07-07
/ PRIOR APPLICATION NUMBER: 60/225,267
/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/216,880
/ PRIOR FILING DATE: 2000-07-07
/ PRIOR APPLICATION NUMBER: 60/225,270
/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/251,869
/ PRIOR FILING DATE: 2000-12-08
/ PRIOR APPLICATION NUMBER: 60/235,834
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: 60/234,274
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: 60/234,223
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: 60/228,924
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Best Local Similarity 47.1%; Pred. No. 1.2e+02;
Matches 8; Conservative 3; Mismatches 6; Indels 0; Gaps 0;
Qy 1 PTSPMSVRSATMOS 17
Db 183 PTAPQNVIASGRNOS 199
RESULT 11
US-09-864-761-34566
Sequence 34566, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL F
FILE REFERENCE: Aecm1ca-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
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PRIOR FILING DATE: 2001-01-29
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OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.2

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 US-09-864-761-34566

Query Match 46.5%; Score 40; DB 9; Length 54;
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 Db 14 PSSPRTTSTRSSSSSSSA 31

RESULT 12
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 Sequence 570, Application US/10052586
 Publication No. US20020127584A1
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Chen, Jian
 APPLICANT: Desnoyers, Luc
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Pan, James
 APPLICANT: Smith, Victoria
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Wood, William I.
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3430R1C1
 CURRENT APPLICATION NUMBER: US/10/052,586
 CURRENT FILING DATE: 2002-01-15
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QY 1 PTSPMSVYSASLETWQSA 18
 DB 128 PLAPKATATVRETQNTWYKA 145

RESULT 13
 US-10-174-590-570
 Sequence 570, Application US/10174590
 Publication No. US20030008352A1
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Chen, Jian
 APPLICANT: Desnoyers, Luc
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Pan, James
 APPLICANT: Smith, Victoria
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Wood, William I.
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3430R1C42
 CURRENT APPLICATION NUMBER: US/10/174,590
 CURRENT FILING DATE: 2002-06-18
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 NUMBER OF SEQ ID NOS: 612
 SEQ ID NO 570
 LENGTH: 425
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-10-174-590-570

Query Match
 Best Local Similarity 46.5%; Score 40; DB 14; Length 425;
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 DB 128 PLAPKATATVRETQNTWYKA 145

RESULT 14
 US-10-176-758-570
 Sequence 570, Application US/10176758
 Publication No. US20030008353A1
 GENERAL INFORMATION:
 APPLICANT: Baker, Kevin P.
 APPLICANT: Chen, Jian
 APPLICANT: Desnoyers, Luc
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Pan, James
 APPLICANT: Smith, Victoria
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Wood, William I.
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 FILE REFERENCE: P3430R1C104
 CURRENT APPLICATION NUMBER: US/10/176,758
 CURRENT FILING DATE: 2002-06-21
 Prior Application removed - See file wrapper or Palm

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Best Local Similarity	38.9%;	Pred. No. 1.6e+02;		
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RESULT 15
US-10-175-737-570
Sequence 570

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Sequence 570, Application US/10175737
Publication No. US2003001155A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoaria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEOTIDES
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3430R1C50
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CURRENT FILING DATE: 2002-06-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
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LENGTH: 425
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ORGANISM: Homo Sapien
US-10-175-737-570

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Db 128 PLAPKTAATVRETQTMYKA 145
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Job time : 30.6 secs

Mon Mar 15 13:28:03 2004

us-09-734-002-7.ral

Page 1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 15, 2004, 12:48:00 ; Search time 15.9 Seconds
(without alignments)
58.444 Million cell updates/sec

Title: US-09-734-002-7

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Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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4	79	91.9	607	3	US-09-211-704A-10
5	43	50.0	360	4	US-09-489-039A-9068
6	42	48.8	681	4	US-09-252-991A-24159
7	40	46.5	158	4	US-09-252-991A-24177
8	40	46.5	734	2	US-08-389-459A-17
9	40	46.5	734	3	US-08-987-867A-17
10	39	45.3	115	4	US-09-732-210-410
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12	39	45.3	389	3	US-09-307-621-2
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16	38	44.2	457	1	US-08-416-478A-8
17	38	44.2	457	2	US-08-474-988A-8
18	38	44.2	457	2	US-08-394-442A-8
19	38	44.2	485	4	US-09-252-991A-30088
20	38	44.2	1601	4	US-09-345-473B-40
21	37.5	43.6	102	4	US-09-621-976A-618
22	37.5	43.6	513	4	US-09-595-857B-30
23	37	43.0	132	4	US-09-716-129-57
24	37	43.0	141	4	US-09-252-991A-26722
25	37	43.0	168	2	US-08-598-873-3
26	37	43.0	168	3	US-08-605-430-3
27	37	43.0	230	4	US-09-252-991A-30298

28	37	43.0	807	4	US-09-177-650-3	Sequence 3, Appli
29	36.5	42.4	273	4	US-09-252-991A-21517	Sequence 21517, A
30	36	41.9	67	4	US-09-543-681A-5360	Sequence 5360, Ap
31	36	41.9	67	4	US-09-543-681A-6516	Sequence 6516, Ap
32	36	41.9	67	4	US-09-543-681A-7218	Sequence 7218, Ap
33	36	41.9	67	4	US-09-543-681A-7354	Sequence 7354, Ap
34	36	41.9	70	4	US-09-543-681A-7535	Sequence 7535, Ap
35	36	41.9	76	4	US-09-543-681A-5790	Sequence 5790, Ap
36	36	41.9	120	4	US-09-732-210-666	Sequence 666, App
37	36	41.9	165	4	US-09-489-039A-14030	Sequence 14030, A
38	36	41.9	431	4	US-10-037-927B-10	Sequence 10, Appli
39	36	41.9	549	4	US-09-252-991A-25923	Sequence 25923, A
40	36	41.9	625	4	US-09-331-568A-27	Sequence 27, Appli
41	36	41.9	836	1	US-08-216-871-2	Sequence 2, Appli
42	36	41.9	836	2	US-08-812-879-2	Sequence 2, Appli
43	36	41.9	1476	3	US-09-256-703-2	Sequence 2, Appli
44	36	41.9	1479	2	US-08-951-912-4	Sequence 4, Appli
45	36	41.9	1479	4	US-09-174-077-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-09-000-041A-7
Sequence 7, Application US/09000041A
Patent No. 6191255
GENERAL INFORMATION:
APPLICANT: MOTOHARU SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THEREO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Menderoth, Lind & Ponack, L.L.P.
Street: 2033 K Street, N.W., Suite 800
City: Washington
State: D.C.
Country: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/000,041A
FILING DATE: January 13, 1998
CLASSIFICATION: 536
PRIORITY APPLICATION: PCT/JP96/01956
APPLICATION NUMBER: 12, 1996
FILING DATE: JULY 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX:
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 18
TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
US-09-000-041A-7
Query Match 100.0%; Score 86; DB 3; Length 18;
Best Local Similarity 100.0%; Pred. No. 1,7e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 PTSPMSVRSATWQSA 18
|||||

Db 1 PTSPRMSVRSASAEQMOSA 18

RESULT 2

US-09-391-104-30
Sequence 30, Application US/09391104

Patent No. 639371

GENERAL INFORMATION:

APPLICANT: Abbott Laboratories

APPLICANT: Falcato, Michael T.

APPLICANT: Magnuson, Scott R.

APPLICANT: Morgan, Douglas W.

TITLE OF INVENTION: HUMAN MATRIX METALLOPROTEASE GENE,

TITLE OF INVENTION: PROTEIN ENCODED THEREFROM AND METHODS

TITLE OF INVENTION: OF USING SAME

FILE REFERENCE: 6073.US.PI

CURRENT APPLICATION NUMBER: US/09/391,104

CURRENT FILING DATE: 1999-09-07

PRIOR APPLICATION NUMBER: US 08/814,394

PRIOR FILING DATE: 1997-03-11

NUMBER OF SEQ ID NOS: 35

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 30

LENGTH: 604

TYPE: PRT

ORGANISM: Homo sapiens

US-09-391-104-30

Query Match 100.0%; Score 86; DB 4; Length 604;
Best Local Similarity 100.0%; Pred. No. 9.5e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PTSPRMSVRSASAEQMOSA 18

Db 55 PTSPRMSVRSASAEQMOSA 72

RESULT 3

US-09-000-041A-2
Sequence 2, Application US/09000041A

Patent No. 6191255

GENERAL INFORMATION:

APPLICANT: Moroharu SEIKI et al.

NUMBER OF SEQUENCES: 14

TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO

CORRESPONDENCE ADDRESS:

ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.

STREET: 2033 K Street, N.W., Suite 800

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20006

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb

COMPUTER: IBM Compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/000,041A

FILING DATE: January 13, 1998

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/JP96/01956

FILING DATE: July 12, 1996

ATTORNEY/AGENT INFORMATION:

NAME: Lee Cheng

REGISTRATION NUMBER: 40,949

REFERENCE/DOCKET NUMBER:

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-721-8200

TELEFAX: 202-721-8250

TELEX:

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 607

TYPE: Amino acid

STRANDEDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Protein

ORIGINAL SOURCE:

ORGANISM: Human

US-09-000-041A-2

Query Match 91.9%; Score 79; DB 3; Length 607;
Best Local Similarity 88.9%; Pred. No. 1.5e-05;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PTSPRMSVRSASAEQMOSA 18

Db 55 PTSPRMSVRSASAEQMOSA 72

RESULT 4

US-09-211-704A-10
Sequence 10, Application US/09211704A

Patent No. 6271014

GENERAL INFORMATION:

APPLICANT: de Saint-Vis, Blandine Marie

APPLICANT: Fossiez, Francois

APPLICANT: Caux, Christophe

APPLICANT: Lebecque, Serge J.E.

TITLE OF INVENTION: Mammalian Proteinases; Related Reagents

TITLE OF INVENTION: and Methods

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: DNAX Research Institute

STREET: 901 California Avenue

CITY: Palo Alto

STATE: California

COUNTRY: USA

ZIP: 94304-1104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/211,704A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 09/005,263

FILING DATE: 09-JAN-1998

ATTORNEY/AGENT INFORMATION:

NAME: Ching, Edwin P.

REGISTRATION NUMBER: 34,090

REFERENCE/DOCKET NUMBER: SP0781K

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650)496-1200

TELEFAX: (650)852-9196

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 607 amino acids

TYPE: amino acid

STRANDEDNESS: not relevant

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-09-211-704A-10

Qy 1 PTSPRMSVRSASAEQMOSA 18

Db 55 PTSPRMSVRSASAEQMOSA 72

Query Match 91.9%; Score 79; DB 3; Length 607;
Best Local Similarity 88.9%; Pred. No. 1.5e-05;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

RESULT 5
US-09-489-039A-9068
; Sequence 9068, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709-2004001
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 9068
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-9068

Query Match
Best Local Similarity 50.0%; Score 43; DB 4; Length 360;
Best Local Similarity 52.9%; Pred. No. 13;
Matches 9; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 PTSPRMSVRSAAETMOS 17
DB 189 PPAPALRAVAAETMOS 205

RESULT 6
US-09-252-991A-24159
; Sequence 24159, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196-136
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24159
; LENGTH: 681
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24159

Query Match
Best Local Similarity 48.8%; Score 42; DB 4; Length 681;
Best Local Similarity 81.8%; Pred. No. 40;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 PTSPRMSVRS 11
DB 446 PTSPRASVRS 456

RESULT 7
US-09-252-991A-24177
; Sequence 24177, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196-136
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24177
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24177

Query Match
Best Local Similarity 46.5%; Score 40; DB 4; Length 158;
Best Local Similarity 44.4%; Pred. No. 17;
Matches 8; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 1 PTSPRMSVRSAAETMOSA 18
DB 16 PTARVVYKSPARLRSA 33

RESULT 8
US-08-389-459A-17
; Sequence 17, Application US/08389459A
; Patent No. 5817512
; GENERAL INFORMATION:
; APPLICANT: Morrow, Casey D. and Porter, Donna, C.
; TITLE OF INVENTION: ENCAPSIDATED RECOMBINANT POLIOVIRUS
; TITLE OF INVENTION: NUCLEIC ACID AND METHODS OF MAKING AND
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAIVE F. COCKFIELD
; STREET: 60 STATE STREET, SUITE 510
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/389,459A
; FILING DATE: 15-FEB-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/087,009
; FILING DATE: 01-JUL-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Silveri, Jean M.
; REGISTRATION NUMBER: 39,030
; REFERENCE/DOCKET NUMBER: UNG-004CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 734 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-389-459A-17

Query Match
Best Local Similarity 46.5%; Score 40; DB 2; Length 734;
Best Local Similarity 50.0%; Pred. No. 96;
Matches 8; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 TSPRMSVRSAAETMOS 17
DB 20 TSPORTQTAETMOS 35

```
RESULT 9
US-08-987-867A-17
; Sequence 17, Application US/08987867A
; Patent No. 6063384
; GENERAL INFORMATION:
; APPLICANT: C. Morrow et al.
; TITLE OF INVENTION: ENCAPSIDATED RECOMBINANT VIRAL
; TITLE OF INVENTION: NUCLEIC ACID AND METHODS OF MAKING AND
; TITLE OF INVENTION: USING SAME
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 STATE STREET
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/987,867A
; FILING DATE: 09-DEC-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/087,009
; FILING DATE: 01-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Myers, Louis
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: UAP-004CPDV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 742-7400
; TELEFAX: (617) 742-4214
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 734 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-987-867A-17

Query Match 46.5%; Score 40; DB 3; Length 734;
Best Local Similarity 50.0%; Pred. No. 96;
Matches 8; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 2 TSPRMSVVSASAEQMOS 17
|||:|||||:
Db 20 TSPORTEQTAETWES 35

RESULT 10
US-09-732-210-410
; Sequence 410, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Miltanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
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; SEQ ID NO 410
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Odontella sinensis
US-09-732-210-410

Query Match 45.3%; Score 39; DB 4; Length 135;
Best Local Similarity 53.3%; Pred. No. 21;
Matches 8; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 PTSPRMSVVSASAEQM 15
|||:|||||:
Db 39 PERPLVSFRSNT 53

RESULT 11
US-09-963-137-186
; Sequence 186, Application US/09963137
; Patent No. 6596036
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Finn S
; APPLICANT: Sorensen, Annette B
; APPLICANT: Hernandez, Javier Martin
; APPLICANT: Nielsen, Anne A
; APPLICANT: Movning, Helge
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR LYMPHOMA AND LEUKEMIA
; FILE REFERENCE: A-70981/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/963,137
; CURRENT FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/668,644
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US 09/905,390
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 09/905,491
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 09/962,929
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,854
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,916
; PRIOR FILING DATE: 2001-09-24
; PRIOR APPLICATION NUMBER: US 09/962,855
; PRIOR FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 186
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-963-137-186

Query Match 45.3%; Score 39; DB 4; Length 388;
Best Local Similarity 38.9%; Pred. No. 69;
Matches 7; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

QY 1 PTSPRMSVVSASAEQMOSA 18
|||:|||||:
Db 196 PTPASATRAAQRRAA 213

RESULT 12
US-09-307-621-2
; Sequence 2, Application US/09307621
; Patent No. 6066487
; GENERAL INFORMATION:
; APPLICANT: Xiao, Jian-ping
; APPLICANT: Xu, Shuang-yong
; TITLE OF INVENTION: Method For Cloning And Expression of Bcrfl Restriction
; FILE REFERENCE: Bcrfl
; CURRENT APPLICATION NUMBER: US/09/307,621
; CURRENT FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 30
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SOFTWARE: Patent Ver. 2.0
SEQ ID NO 2
LENGTH: 389
TYPE: PRT
ORGANISM: Bacillus stearothermophilus
US-09-307-621-2

Query Match 45.3%; Score 39; DB 3; Length 389;
Best Local Similarity 52.9%; Pred. No. 69;
Matches 9; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 PTSPRMSVRSATMOS 17
DB 314 PTLPRRLTYREALRLOS 330

RESULT 13
US-09-252-991A-20178
Sequence 20178; Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 20178
LENGTH: 362
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20178

Query Match 45.3%; Score 39; DB 4; Length 562;
Best Local Similarity 44.4%; Pred. No. 11e+02;
Matches 8; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 PTSPRMSVRSATMOSA 18
DB 268 PTPSPRFSATSTRLDHA 285

RESULT 14
US-09-252-991A-28124
Sequence 28124; Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 28124
LENGTH: 251
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28124

Query Match 44.2%; Score 38; DB 4; Length 251;
Best Local Similarity 47.1%; Pred. No. 62;
Matches 8; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 PTSPRMSVRSATMOS 17
DB 125 PSAPRLSPVASAPSGRS 141

RESULT 15
US-09-252-991A-21939
Sequence 21939; Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 21939
LENGTH: 276
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21939

Query Match 44.2%; Score 38; DB 4; Length 276;
Best Local Similarity 61.5%; Pred. No. 69;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 PTSPRMSVRSATMOS 13
DB 16 PTPSPRSPASAPSS 28

Search completed: March 15, 2004, 12:56:19
Job time: 16.9 secs

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OM protein - protein search, using sw model

Run on: March 15, 2004, 12:51:25 ; Search time 23.8 Seconds

(without alignments)
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Title: US-09-734-002-6

Sequence: 1 BEVYSELENGKRD 14

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Maximum Match 100%

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12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	100.0	14	US-09-734-002-6	Sequence 6, Appl1
2	74	100.0	607	US-09-734-002-2	Sequence 29, Appl1
3	74	100.0	607	US-09-801-196-28	Sequence 88, Appl1
4	74	100.0	607	US-10-176-847-48	Sequence 47, Appl1
5	74	100.0	607	US-10-131-985-47	Sequence 58, Appl1
6	41	55.4	126	US-09-864-761-36859	Sequence 58, Appl1
7	41	55.4	126	US-09-734-017A-58	Sequence 2, Appl1
8	41	55.4	532	US-09-891-160-2	Sequence 5, Appl1
9	41	55.4	618	US-10-406-209-5	Sequence 57, Appl1
10	41	55.4	645	US-10-406-209-6	Sequence 32766, A
11	41	55.4	645	US-10-131-985-57	Sequence 3537, Ap
12	41	55.4	125	US-10-029-386-32766	Sequence 8537, Ap
13	40	54.1	570	US-10-128-714-3537	Sequence 22232, A
14	40	54.1	573	US-10-128-714-8537	
15	39	52.7	640	US-10-369-493-22232	

16	39	52.7	697	US-09-815-242-12798	Sequence 12798, A
17	39	52.7	1382	US-09-850-835-2	Sequence 2, Appl1
18	38	51.4	168	US-10-021-753-9	Sequence 9, Appl1
19	38	51.4	261	US-10-104-047-2586	Sequence 2586, Ap
20	38	51.4	269	US-10-369-493-64	Sequence 64, Appl1
21	38	51.4	356	US-10-156-761-9235	Sequence 9235, Ap
22	38	51.4	393	US-10-369-493-8862	Sequence 8862, Ap
23	37	50.0	91	US-09-948-783-144	Sequence 144, App
24	37	50.0	92	US-09-892-877-142	Sequence 142, App
25	37	50.0	229	US-09-864-761-36998	Sequence 36998, A
26	37	50.0	248	US-10-012-143-2	Sequence 2, Appl1
27	37	50.0	248	US-10-012-143-5	Sequence 5, Appl1
28	37	50.0	282	US-10-136-253-7	Sequence 7, Appl1
29	37	50.0	318	US-09-957-156-2	Sequence 2, Appl1
30	37	50.0	329	US-10-233-926-24	Sequence 24, Appl1
31	37	50.0	329	US-10-389-566-1173	Sequence 1173, Ap
32	37	50.0	331	US-10-233-926-23	Sequence 23, Appl1
33	37	50.0	331	US-10-389-566-1174	Sequence 1174, Ap
34	37	50.0	386	US-10-228-567A-285	Sequence 285, App
35	37	50.0	409	US-10-117-015-4	Sequence 4, Appl1
36	37	50.0	538	US-10-032-585-7419	Sequence 7419, Ap
37	37	50.0	589	US-10-369-493-19585	Sequence 19585, A
38	37	50.0	655	US-10-369-493-21604	Sequence 21604, A
39	37	50.0	719	US-10-156-761-9077	Sequence 9077, Ap
40	37	50.0	924	US-10-369-493-6441	Sequence 6441, Ap
41	37	50.0	966	US-10-153-244-105	Sequence 105, Appl
42	37	50.0	966	US-10-210-152-12	Sequence 22, Appl
43	37	50.0	968	US-10-369-493-1826	Sequence 1826, Ap
44	36.5	49.3	243	US-09-815-242-10838	Sequence 10838, A
45	36	48.6	169	US-10-369-493-6421	Sequence 6421, Ap

ALIGNMENTS

US-09-734-002-6
Sequence 6, Application US/09734002
Patent No. US2001001633A1
GENERAL INFORMATION:
APPLICANT: Motorola SRIK et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09734.002
FILING DATE: 12-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: <Unknown>
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 14

TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-734-002-6

Query Match 100.0%; Score 74; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 4,1e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVPSYLENGKRD 14
DB 1 EEVPSYLENGKRD 14

RESULT 2

US-09-734-002-2
Sequence 2, Application US/09734002
Patent No. US2001001633A1

GENERAL INFORMATION:

APPLICANT: Mochanu Seiki et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734,002

FILING DATE: 12-Dec-2000

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956

FILING DATE: July 12, 1996

ATTORNEY/AGENT INFORMATION:
NAME: Dee Cheng

REGISTRATION NUMBER: 40,949

REFERENCE/DOCKET NUMBER: <Unknown>

TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200

TELEFAX: 202-721-8250

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:

LENGTH: 607
TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Protein
ORIGINAL SOURCE:
ORGANISM: Human
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-734-002-2

Query Match 100.0%; Score 74; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 0.00026;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVPSYLENGKRD 14
DB 168 EEVPSYLENGKRD 181

RESULT 3

US-09-801-196-29
Sequence 29, Application US/09801196
Patent No. US20020037827A1

GENERAL INFORMATION:

APPLICANT: Wang, Kai
APPLICANT: Smith, Ryan
APPLICANT: Fajardo, Mark
APPLICANT: Moss, Patrick
TITLE OF INVENTION: A NOVEL MATRIX METALLOPROTEINASE (MMP-25)
FILE REFERENCE: 24083,509
CURRENT APPLICATION NUMBER: US/09/801,196
CURRENT FILING DATE: 2001-03-06
NUMBER OF SEQ ID NOS: 37
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 29
LENGTH: 607
TYPE: PRT
ORGANISM: Homo sapiens
US-09-801-196-29

Query Match 100.0%; Score 74; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 0.00026;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVPSYLENGKRD 14
DB 168 EEVPSYLENGKRD 181

RESULT 4

US-10-176-847-88
Sequence 88, Application US/10176847
Publication No. US2003006836A1

GENERAL INFORMATION:

APPLICANT: Velby, Petter Ole
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREA
TITLE OF INVENTION: AND OVARIAN CANCER
FILE REFERENCE: MRI-039
CURRENT APPLICATION NUMBER: US/10/176,847
CURRENT FILING DATE: 2002-06-21
NUMBER OF SEQ ID NOS: 112
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 88
LENGTH: 607
TYPE: PRT
ORGANISM: Homo sapiens
US-10-176-847-88

Query Match 100.0%; Score 74; DB 14; Length 607;
Best Local Similarity 100.0%; Pred. No. 0.00026;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVPSYLENGKRD 14
DB 168 EEVPSYLENGKRD 181

RESULT 5

US-10-131-985-47
Sequence 47, Application US/10131985
Publication No. US20030199440A1

GENERAL INFORMATION:

APPLICANT: Dack, Kevin N
APPLICANT: Davies, Michael J
APPLICANT: Fish, Paul V
APPLICANT: Huggins, Jonathan P
APPLICANT: McIntosh, Fraser S L
APPLICANT: Occlleston, Nicholas L
TITLE OF INVENTION: Composition
FILE REFERENCE: PCS 10391A
CURRENT APPLICATION NUMBER: US/10/131,985

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/ CURRENT FILING DATE: 2002-04-25
/ PRIOR APPLICATION NUMBER: US/09/726,295
/ PRIOR FILING DATE: 2000-11-30
/ PRIOR APPLICATION NUMBER: GB 9930768.8
/ PRIOR FILING DATE: 1999-12-29
/ NUMBER OF SEQ ID NOS: 60
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO: 47
/ LENGTH: 607
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-131-985-47

Query Match          100.0%; Score 74; DB 14; Length 607;
Best Local Similarity 100.0%; Pred. No. 0.00026;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVPSYSELENGKRD 14
DB      168 EEVPSYSELENGKRD 181

RESULT 6
US-09-864-761-36859
/ Sequence 36859, Application US/09864761
/ Patent No. US20020048763A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn. Sharron G.
/ APPLICANT: Rank, David R.
/ APPLICANT: Hanzel, David K.
/ APPLICANT: Chen, Wensheng
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
/ FILE REFERENCE: Aecm1ca-X-1
/ CURRENT APPLICATION NUMBER: US/09/864,761
/ CURRENT FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/180,312
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
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/ SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 36859
/ LENGTH: 114
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AL121752.2
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.9
/ OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 1.6
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.4
/ OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.8
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1
/ OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.1
/ OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
/ OTHER INFORMATION: EXPRESSED IN HB100, SIGNAL = 1.9
/ OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.2
/ OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
/ OTHER INFORMATION: EST HUMAN HIT: A019732.1, EVALU8 3.00e-47
/ OTHER INFORMATION: SWISSPROT HIT: P51512, EVALU8 3.00e-48
/ US-09-864-761-36859

Query Match          55.4%; Score 41; DB 9; Length 114;
Best Local Similarity 42.9%; Pred. No. 20;
Matches 6; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

QY      1 EEVPSYSELENGKRD 14
DB      33 EEVPSYHEIKSDRKE 46

RESULT 7
US-09-734-017A-58
/ Sequence 58, Application US/09734017A
/ Patent No. US20020142422A1
/ GENERAL INFORMATION:
/ APPLICANT: Renz, Andreas
/ APPLICANT: Ehrhardt, Thomas
/ APPLICANT: Reinhl, Andreas
/ APPLICANT: Clippus, Petra
/ APPLICANT: Bischoff, Friedrich
/ APPLICANT: Frank, Markus
/ APPLICANT: Freund, Annette
/ APPLICANT: Duwendt, Elke
/ APPLICANT: Schmidt, Ralf-Michael
/ TITLE OF INVENTION: Moss genes from Physcomitrella patens encoding proteins invo.
/ TITLE OF INVENTION: The
/ TITLE OF INVENTION: synthesis of amino acids, vitamins, cofactors, nucleotides
/ FILE REFERENCE: BASF-NAE-1331-99-US
/ CURRENT APPLICATION NUMBER: US/09/734,017A
/ CURRENT FILING DATE: 2000-12-12
/ PRIOR APPLICATION NUMBER: 60/171,100
/ PRIOR FILING DATE: 1999-12-16
/ NUMBER OF SEQ ID NOS: 87
/ SOFTWARE: PatentIn Ver. 2.1/WordPerfect
/ SEQ ID NO: 58
/ LENGTH: 126
/ TYPE: PRT
/ ORGANISM: Physcomitrella patens
/ US-09-734-017A-58

Query Match          55.4%; Score 41; DB 9; Length 126;
Best Local Similarity 77.8%; Pred. No. 22;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      2 EEVPSYSELEN 10
DB      81 EEVPSYSELEN 89

RESULT 8
US-09-891-160-2
```

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/ Sequence 2, Application US/09891160
/ Patent No. US20020103354A1
/ GENERAL INFORMATION:
/ APPLICANT: Anthony J. Arleth
/ APPLICANT: Anne Romanic-Arnold
/ APPLICANT: Xiaotong Li
/ APPLICANT: Yuan Zhu
/ TITLE OF INVENTION: A SPLICING VARIANT OF HUMAN
/ TITLE OF INVENTION: MEMBRANE-TYPE MATRIX METALLOPROTEINASE-5 (MT-MMP5-L)
/ FILE REFERENCE: GH-70613-D1
/ CURRENT APPLICATION NUMBER: US/09/891,160
/ PRIOR FILING DATE: 2001-06-25
/ PRIOR APPLICATION NUMBER: US 09/294,841
/ PRIOR FILING DATE: 1999-04-20
/ PRIOR APPLICATION NUMBER: PCT/US00/10539
/ PRIOR FILING DATE: 2000-04-19
/ NUMBER OF SEQ ID NOS: 2
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 2
/ LENGTH: 532
/ TYPE: PRT
/ ORGANISM: HOMO SAPIENS
US-09-891-160-2
```

```
Query Match          55.4%; Score 41; DB 9; Length 532;
Best Local Similarity 42.9%; Pred. No. 1.1e+02;
Matches 6; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
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```
QY 1 EEVPSYLENGKRD 14
    ||||| : : : : :
DB 91 EEVPSYHEIKSDRKE 104
```

```
RESULT 9
US-10-406-209-5
/ Sequence 5, Application US/10406209
/ Publication No. US20030170758A1
/ GENERAL INFORMATION:
/ APPLICANT: KYOMA HAKKO KOGYO CO., LTD.
/ TITLE OF INVENTION: NOVEL ANTIBODIES, DRUGS CONTAINING THESE ANTIBODIES AND
/ TITLE OF INVENTION: METHODS FOR
/ TITLE OF INVENTION: SCREENING COMPOUNDS BY USING THESE ANTIBODIES
/ FILE REFERENCE: 1241.19
/ CURRENT APPLICATION NUMBER: US/10/406,209
/ CURRENT FILING DATE: 2003-04-04
/ PRIOR APPLICATION NUMBER: US/09/806,228C
/ PRIOR FILING DATE: 2001-08-30
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/JP99/05350
/ PRIOR FILING DATE: EARLIER FILING DATE: 1999-09-29
/ PRIOR APPLICATION NUMBER: JP 10-291501
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
/ PRIOR APPLICATION NUMBER: JP 10-291503
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
/ NUMBER OF SEQ ID NOS: 28
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 5
/ LENGTH: 618
/ TYPE: PRT
/ ORGANISM: Mouse
US-10-406-209-5
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```
Query Match          55.4%; Score 41; DB 14; Length 618;
Best Local Similarity 42.3%; Pred. No. 1.3e+02;
Matches 6; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
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```
QY 1 EEVPSYLENGKRD 14
    ||||| : : : : :
DB 177 EEVPSYHEIKSDRKE 190
```

```
RESULT 10
US-10-406-209-6
/ Sequence 6, Application US/10406209
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/ Publication No. US20030170758A1
/ GENERAL INFORMATION:
/ APPLICANT: KYOMA HAKKO KOGYO CO., LTD.
/ TITLE OF INVENTION: NOVEL ANTIBODIES, DRUGS CONTAINING THESE ANTIBODIES AND
/ TITLE OF INVENTION: METHODS FOR
/ TITLE OF INVENTION: SCREENING COMPOUNDS BY USING THESE ANTIBODIES
/ FILE REFERENCE: 1241.19
/ CURRENT APPLICATION NUMBER: US/10/406,209
/ CURRENT FILING DATE: 2003-04-04
/ PRIOR APPLICATION NUMBER: US/09/806,228C
/ PRIOR FILING DATE: 2001-08-30
/ PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/JP99/05350
/ PRIOR FILING DATE: EARLIER FILING DATE: 1999-09-29
/ PRIOR APPLICATION NUMBER: JP 10-291501
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
/ PRIOR APPLICATION NUMBER: JP 10-291503
/ PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
/ NUMBER OF SEQ ID NOS: 28
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 6
/ LENGTH: 645
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-406-209-6
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Query Match          55.4%; Score 41; DB 14; Length 645;
Best Local Similarity 42.9%; Pred. No. 1.4e+02;
Matches 6; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
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```
QY 1 EEVPSYLENGKRD 14
    ||||| : : : : :
DB 204 EEVPSYHEIKSDRKE 217
```

```
RESULT 11
US-10-131-985-57
/ Sequence 57, Application US/10131985
/ Publication No. US20030199440A1
/ GENERAL INFORMATION:
/ APPLICANT: Dack, Kevin N
/ APPLICANT: Davies, Michael J
/ APPLICANT: Fish, Paul V
/ APPLICANT: Huggins, Jonathan P
/ APPLICANT: McIntosh, Fraser S
/ APPLICANT: Ocleston, Nicholas L
/ TITLE OF INVENTION: Composition
/ FILE REFERENCE: PCT 10391A
/ CURRENT APPLICATION NUMBER: US/10/131,985
/ CURRENT FILING DATE: 2002-04-25
/ PRIOR APPLICATION NUMBER: US/09/726,295
/ PRIOR FILING DATE: 2000-11-30
/ PRIOR APPLICATION NUMBER: GB 9930768.8
/ PRIOR FILING DATE: 1999-12-29
/ NUMBER OF SEQ ID NOS: 60
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 57
/ LENGTH: 645
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-131-985-57
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Query Match          55.4%; Score 41; DB 14; Length 645;
Best Local Similarity 42.9%; Pred. No. 1.4e+02;
Matches 6; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
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```
QY 1 EEVPSYLENGKRD 14
    ||||| : : : : :
DB 204 EEVPSYHEIKSDRKE 217
```

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RESULT 12
US-10-029-386-32766
/ Sequence 32766, Application US/10029386
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Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
FILE REFERENCE: ABOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Annotmax Sequence Listing Engine vers. 1.1
SEQ ID NO 32766
LENGTH: 125
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AF205588.1
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.65
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.57
OTHER INFORMATION: SWISSPROT HIT: Q06730, EVALU8 3.00e-20
US-10-029-386-32766

Query Match 54.1%; Score 40; DB 14; Length 125;
Best Local Similarity 58.3%; Pred. No. 33;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 EEVPSLENGK 12
DB 23 EEKPYEFGMK 34

RESULT 13

US-10-128-714-3537
Sequence 3537, Application US/10128714
Publication No. US20030119013A1
GENERAL INFORMATION:
APPLICANT: Jiang, Bo
APPLICANT: Hu, Wengdi
APPLICANT: Tishkoff, Daniel
APPLICANT: Zamudio, Carlos
APPLICANT: Eroshkin, Alexey M
APPLICANT: Lemieux, Sebastien M
TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and
FILE REFERENCE: 10182-018-999
CURRENT APPLICATION NUMBER: US/10/128,714
CURRENT FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: US 60/285,697
PRIOR FILING DATE: 2001-04-23
PRIOR APPLICATION NUMBER: US 60/287,066
PRIOR FILING DATE: 2001-04-27
PRIOR APPLICATION NUMBER: US 60/295,890
PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: US 60/303,899
PRIOR FILING DATE: 2001-07-09
PRIOR APPLICATION NUMBER: US 60/316,362
PRIOR FILING DATE: 2001-08-31
NUMBER OF SEQ ID NOS: 8603
SOFTWARE: PatentIn version 3.1
SEQ ID NO 3537
LENGTH: 570
TYPE: PRT
ORGANISM: *Aspergillus fumigatus*
US-10-128-714-3537

Query Match 54.1%; Score 40; DB 14; Length 570;
Best Local Similarity 47.1%; Pred. No. 1.8e+02;
Matches 8; Conservative 3; Mismatches 2; Indels 4; Gaps 1;

QY 2 EEVPSLENGK---GKRD 14

DB 125 EIPYSEISNTNLAGKNE 141

RESULT 14
US-10-128-714-8537
Sequence 8537, Application US/10128714
Publication No. US20030119013A1
GENERAL INFORMATION:
APPLICANT: Jiang, Bo
APPLICANT: Hu, Wengdi
APPLICANT: Tishkoff, Daniel
APPLICANT: Zamudio, Carlos
APPLICANT: Eroshkin, Alexey M
APPLICANT: Lemieux, Sebastien M
TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* a
TITLE OF INVENTION: Methods of Use
FILE REFERENCE: 10182-018-999
CURRENT APPLICATION NUMBER: US/10/128,714
CURRENT FILING DATE: 2002-04-23
PRIOR APPLICATION NUMBER: US 60/285,697
PRIOR FILING DATE: 2001-04-23
PRIOR APPLICATION NUMBER: US 60/287,066
PRIOR FILING DATE: 2001-04-27
PRIOR APPLICATION NUMBER: US 60/295,890
PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: US 60/303,899
PRIOR FILING DATE: 2001-07-09
PRIOR APPLICATION NUMBER: US 60/316,362
PRIOR FILING DATE: 2001-08-31
NUMBER OF SEQ ID NOS: 8603
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8537
LENGTH: 573
TYPE: PRT
ORGANISM: *Aspergillus fumigatus*
US-10-128-714-8537

Query Match 54.1%; Score 40; DB 14; Length 573;
Best Local Similarity 47.1%; Pred. No. 1.8e+02;
Matches 8; Conservative 3; Mismatches 2; Indels 4; Gaps 1;

QY 2 EEVPSLENGK---GKRD 14
DB 128 EIPYSEISNTNLAGKNE 144

RESULT 15
US-10-369-493-22232
Sequence 22232, Application US/10369493
Publication No. US20030233675A1
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE REFERENCE: 38-10(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 22232
LENGTH: 640
TYPE: PRT
ORGANISM: *Saccharomyces cerevisiae*
US-10-369-493-22232

Query Match 52.7%; Score 39; DB 15; Length 640;
Best Local Similarity 70.0%; Pred. No. 3e+02;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Mon Mar 15 13:28:01 2004

us-09-734-002-6.rapb

Page 6

QY 3 VPYSELENGK 12
| | | | |
Db 149 VPFSPRENGK 158

Search completed: March 15, 2004, 12:58:13
Job time : 24.8 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Comugen Ltd.

CM protein - protein search, using sw model

Run on: March 15, 2004, 12:48:00 ; Search time 12.3667 Seconds
(without alignments) 58.444 Million cell updates/sec

Title: US-09-734-002-6

Perfect score: 74

Sequence: 1 EEVPSSELENGKRD 14

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database:

Issued Patents, AA.*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	100.0	14	US-09-000-041A-6	Sequence 6, Appl
2	74	100.0	604	US-09-391-104-30	Sequence 30, Appl
3	74	100.0	607	US-09-000-041A-2	Sequence 2, Appl
4	74	100.0	607	US-09-211-704A-10	Sequence 10, Appl
5	42	56.8	225	US-09-107-532A-7302	Sequence 7302, Ap
6	41	55.4	187	US-09-328-352-7862	Sequence 7862, Ap
7	41	55.4	532	US-09-294-841-2	Sequence 2, Appl
8	40	54.1	506	US-09-489-039A-8941	Sequence 8941, A
9	40	54.1	516	US-09-253-991A-17726	Sequence 17726, A
10	39	52.7	403	US-08-485-393-4	Sequence 4, Appl
11	39	52.7	697	US-08-816-177-2	Sequence 2, Appl
12	39	52.7	715	US-09-134-000C-5094	Sequence 5094, Ap
13	39	52.7	1382	US-08-737-715-2	Sequence 7, Appl
14	39	52.7	1382	US-09-457-040B-7	Sequence 7, Appl
15	38	51.4	534	US-09-107-532A-6549	Sequence 6549, Ap
16	37	50.0	56	US-08-905-223-414	Sequence 414, App
17	37	50.0	121	US-09-107-533A-4829	Sequence 4829, Ap
18	37	50.0	162	US-08-244-557-2	Sequence 2, Appl
19	37	50.0	282	US-08-972-903-7	Sequence 7, Appl
20	37	50.0	282	US-09-520-207-7	Sequence 7, Appl
21	37	50.0	282	US-10-136-253-7	Sequence 7, Appl
22	37	50.0	296	US-09-071-035-152	Sequence 152, App
23	37	50.0	304	US-09-042-225-7	Sequence 7, Appl
24	37	50.0	318	US-09-483-371-2	Sequence 2, Appl
25	37	50.0	318	US-09-957-156-2	Sequence 2, Appl
26	37	50.0	325	US-09-071-035-150	Sequence 150, App
27	37	50.0	336	US-09-134-000C-5662	Sequence 5662, Ap

28	37	50.0	386	1	US-08-134-012-3	Sequence 3, Appl
29	37	50.0	386	1	US-08-520-519-3	Sequence 3, Appl
30	37	50.0	386	4	US-09-039-798-3	Sequence 3, Appl
31	37	50.0	409	4	US-09-310-363C-4	Sequence 4, Appl
32	36	48.6	28	3	US-09-107-991-12	Sequence 12, Appl
33	36	48.6	28	3	US-09-594-906-12	Sequence 12, Appl
34	36	48.6	128	6	5514582-13	Patent No. 5514582
35	36	48.6	285	1	US-08-292-045-2	Sequence 2, Appl
36	36	48.6	285	1	US-08-292-045-10	Sequence 10, Appl
37	36	48.6	374	4	US-09-543-681A-4917	Sequence 4917, Ap
38	36	48.6	474	3	US-09-461-474-10	Sequence 10, Appl
39	36	48.6	479	4	US-09-107-532A-7052	Sequence 7052, Ap
40	36	48.6	479	4	US-09-134-000C-4707	Sequence 4707, Ap
41	36	48.6	524	4	US-09-625-188-2	Sequence 2, Appl
42	36	48.6	529	4	US-09-134-000C-5948	Sequence 5948, Ap
43	35.5	48.0	158	4	US-09-134-000C-4505	Sequence 4505, Ap
44	35	47.3	107	4	US-09-134-000C-3532	Sequence 3532, Ap
45	35	47.3	147	3	US-09-230-637-43	Sequence 43, Appl

ALIGNMENTS

RESULT 1
US-09-000-041A-6
Sequence 6, Application US/09000041A
Patent No. 6191255
GENERAL INFORMATION:
APPLICANT: Moriharu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THEREO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/000,041A
FILING DATE: January 13, 1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 14
TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
US-09-000-041A-6
Query Match 100.0%; Score 74; DB 3; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.6e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 EEVPYSELENGKRD 14

RESULT 2

US-09-391-104-30

Sequence 30, Application US/09391104

Patent No. 6339371

GENERAL INFORMATION:

APPLICANT: Abbott Laboratories

APPLICANT: Palduto, Michael T.

APPLICANT: Magnuson, Scott R.

APPLICANT: Morgan, Douglas W.

TITLE OF INVENTION: HUMAN MATRIX METALLOPROTEASE GENE,

TITLE OF INVENTION: PROTEINS ENCODED THEREFROM AND METHODS

TITLE OF INVENTION: OF USING SAME

FILE REFERENCE: 6073 US.P1

CURRENT APPLICATION NUMBER: US/09/391,104

CURRENT FILING DATE: 1999-09-07

PRIOR APPLICATION NUMBER: US 08/814,394

PRIOR FILING DATE: 1997-03-11

NUMBER OF SEQ ID NOS: 35

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 30

LENGTH: 604

TYPE: PRT

ORGANISM: Homo sapiens

US-09-391-104-30

Query Match 100.0%; Score 74; DB 4; Length 604;

Best Local Similarity 100.0%; Pred. No. 0.00011;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVPYSELENGKRD 14

Db 168 EEVPYSELENGKRD 181

RESULT 3

US-09-000-041A-2

Sequence 2, Application US/09000041A

Patent No. 6191255

GENERAL INFORMATION:

APPLICANT: Mochizuki SEIKI et al.

TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.

STREET: 2033 K Street, N.W., Suite 800

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20006

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb

COMPUTER: IBM Compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: WordPerfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/000,041A

FILING DATE: January 13, 1998

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/JP96/01956

FILING DATE: July 12, 1996

ATTORNEY/AGENT INFORMATION:

NAME: Lee Cheng

REGISTRATION NUMBER: 40,949

REFERENCE/DOCKET NUMBER:

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-721-8200

TELEFAX: 202-721-8250

TELEX:

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 607

TYPE: Amino acid

STRANDEDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Protein

ORGANISM SOURCE:

ORGANISM: Human

US-09-000-041A-2

Query Match 100.0%; Score 74; DB 3; Length 607;

Best Local Similarity 100.0%; Pred. No. 0.00011;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVPYSELENGKRD 14

Db 168 EEVPYSELENGKRD 181

RESULT 4

US-09-211-704A-10

Sequence 10, Application US/09211704A

Patent No. 6271014

GENERAL INFORMATION:

APPLICANT: de Saint-Vis, Blandine Marie

APPLICANT: Rossiez, Francois

APPLICANT: Caux, Christophe

APPLICANT: Lebecque, Serge J.E.

TITLE OF INVENTION: Mammalian Proteinases; Related Reagents

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: DMAX Research Institute

STREET: 901 California Avenue

CITY: Palo Alto

STATE: California

COUNTRY: USA

ZIP: 94304-1104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/211,704A

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 09/005,263

FILING DATE: 09-JAN-1998

ATTORNEY/AGENT INFORMATION:

NAME: Child, Edwin P.

REGISTRATION NUMBER: 34,090

REFERENCE/DOCKET NUMBER: SP0781K

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 852-9196

TELEFAX: (650) 496-1200

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 607 amino acids

TYPE: amino acid

STRANDEDNESS: not relevant

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-09-211-704A-10

Query Match 100.0%; Score 74; DB 3; Length 607;

Best Local Similarity 100.0%; Pred. No. 0.00011;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVPYSELENGKRD 14

Db 168 EEVPYSELENGKRD 181

RESULT 5
US-09-107-532A-7302
; Sequence 7302, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 7302:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 225 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1..225
; SEQUENCE DESCRIPTION: SEQ ID NO: 7302:
US-09-107-532A-7302

Query Match 56.8%; Score 42; DB 4; Length 225;
Best Local Similarity 50.0%; Pred. No. 12;
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Cy 1 EEVPSYLENGKRD 14
Db 190 KDIPRLLENGKRD 203

RESULT 6
US-09-328-352-7862
; Sequence 7862, Application US/09328352
; Patent No. 6562858
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-039A
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04

; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 7862
; LENGTH: 187
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-7862

Query Match 55.4%; Score 41; DB 4; Length 187;
Best Local Similarity 50.0%; Pred. No. 15;
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Cy 1 EEVPSYLENGKRD 14
Db 61 QDVGYAEIYEKRD 74

RESULT 7
US-09-294-841-2
; Sequence 2, Application US/09294841A
; Patent No. 6274717
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Arleth
; APPLICANT: Anne Romanic Arnold
; APPLICANT: Xiaotong Li
; APPLICANT: Yuan Zhu
; TITLE OF INVENTION: A SPLICING VARIANT OF HUMAN MEMBRANE-5 (MT-MP5-L)
; FILE REFERENCE: GH-70613
; CURRENT APPLICATION NUMBER: US/09/294,841A
; CURRENT FILING DATE: 1999-04-20
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 532
; TYPE: PRT
; ORGANISM: HOMO SAPIEN
US-09-294-841-2

Query Match 55.4%; Score 41; DB 3; Length 532;
Best Local Similarity 42.9%; Pred. No. 49;
Matches 6; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

Cy 1 EEVPSYLENGKRD 14
Db 91 EEVPSYLENGKRD 104

RESULT 8
US-09-489-039A-8941
; Sequence 8941, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 8941
; LENGTH: 506
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-8941

Query Match 54.1%; Score 40; DB 4; Length 506;
Best Local Similarity 50.0%; Pred. No. 69;
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Cy 1 EEVPSYLENGKRD 14
Db 1 EEVPSYLENGKRD 14

RESULT 13

US-08-737-715-2
Sequence 2, Application US/08737715

Patent No. 593685

GENERAL INFORMATION:

APPLICANT: Edina, Yousuke

TITLE OF INVENTION: MUTANT HUMAN INSULIN RECEPTOR DNA

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: SUGHRUE, MON, ZINN, MACPEAK & SEAS

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/737,715

FILING DATE: 12-NOV-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 134827/1995

FILING DATE: 12-MAY-1994

ATTORNEY/AGENT INFORMATION:

NAME: Nakamura, Dean H.

REGISTRATION NUMBER: 33,981

REFERENCE/DOCKET NUMBER: Q-43323

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202)293-7060

TELEFAX: (202)293-7860

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1382 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-737-715-2

Query Match 52.7%; Score 39; DB 4; Length 1382;

Best Local Similarity 35.7%; Pred. No. 3.2e+02; Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 EEVPSYLENGKRD 14

Db 1357 EHIPYTHMGKKN 1370

RESULT 14

US-09-457-040B-7

Sequence 7, Application US/09457040B

Patent No. 6387641

GENERAL INFORMATION:

APPLICANT: Vertex Pharmaceuticals Incorporated

TITLE OF INVENTION: Crystallized P38 Complexes

FILE REFERENCE: VPI/98-14

CURRENT APPLICATION NUMBER: US/09/457,040B

CURRENT FILING DATE: 1999-12-08

NUMBER OF SEQ ID NOS: 41

SOFTWARE: Patentin version 3.0

SEQ ID NO 7

LENGTH: 1382

TYPE: PRT

ORGANISM: Human

US-09-457-040B-7

Query Match 52.7%; Score 39; DB 4; Length 1382;

Best Local Similarity 35.7%; Pred. No. 3.2e+02;

Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 EEVPSYLENGKRD 14

Db 1357 EHIPYTHMGKKN 1370

RESULT 15

US-09-107-532A-6549

Sequence 6549, Application US/09107532A

Patent No. 6583275

GENERAL INFORMATION:

APPLICANT: Lynn A Doucette-Stamm and David Bush

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 7310

CORRESPONDENCE ADDRESS:

ADDRESSEE: GENOME THERAPEUTICS CORPORATION

CITY: Waltham

STATE: Massachusetts

COUNTRY: USA

ZIP: 02354

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-ROM ISO9660

COMPUTER: PC

OPERATING SYSTEM: <Unknown>

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A

FILING DATE: 30-Jun-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/085,598

FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571

FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Arinello, Pamela Deneke

REGISTRATION NUMBER: 40,489

REFERENCE/DOCKET NUMBER: GTC-012

TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-5007

TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 6549:

SEQUENCE CHARACTERISTICS:

LENGTH: 534 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: YES

ORIGINAL SOURCE:

ORGANISM: Enterococcus faecium

FEATURE:

NAME/KEY: misc feature

LOCATION: (B) LOCATION 1...534

SEQUENCE DESCRIPTION: SEQ ID NO: 6549:

US-09-107-532A-6549

Query Match 51.4%; Score 38; DB 4; Length 534;

Best Local Similarity 75.0%; Pred. No. 1.6e+02;

Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 4 PYSELENG 11

Db 265 PYTEVENG 272

Search completed: March 15, 2004, 12:56:18

Job time: 12.3867 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 15, 2004, 12:51:25 ; Search time 23.8 Seconds

(without alignments)
124.208 Million cell updates/sec

Title: US-09-734-002-5

Perfect score: 72 QTRGSKFHRRKR 14

Sequence: 1 QTRGSKFHRRKR 14

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Database : Published Applications AA:*

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- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	72	100.0	14	9 US-09-734-002-5	Sequence 5, Appl1
2	72	100.0	607	9 US-09-734-002-2	Sequence 2, Appl1
3	72	100.0	607	9 US-09-801-196-29	Sequence 29, Appl1
4	72	100.0	607	14 US-10-176-847-88	Sequence 88, Appl1
5	72	100.0	607	14 US-10-131-985-47	Sequence 47, Appl1
6	44	61.1	514	15 US-10-104-047-2661	Sequence 2661, Ap
7	44	61.1	624	14 US-10-105-959-4	Sequence 4, Appl1
8	43	59.7	390	14 US-10-303-664A-51	Sequence 51, Appl1
9	43	59.7	390	15 US-10-264-237-2557	Sequence 2557, Ap
10	43	59.7	395	14 US-10-074-045-46	Sequence 46, Appl1
11	38	52.8	123	14 US-10-029-386-28706	Sequence 28706, A
12	38	52.8	567	14 US-10-369-493-16185	Sequence 16185, A
13	38	52.8	619	15 US-10-369-493-15803	Sequence 15803, A
14	38	52.8	771	15 US-10-369-493-15435	Sequence 15435, A
15	38	52.8	852	15 US-10-369-493-1645	Sequence 1645, Ap

16	37	51.4	95	11	US-09-833-245-1628	Sequence 1628, Ap
17	37	51.4	95	11	US-09-833-245-1630	Sequence 1630, Ap
18	37	51.4	134	11	US-09-833-245-1352	Sequence 1352, Ap
19	37	51.4	137	11	US-09-833-245-1351	Sequence 1351, Ap
20	37	51.4	145	11	US-09-833-245-1353	Sequence 1353, Ap
21	37	51.4	493	15	US-10-369-493-9759	Sequence 9759, Ap
22	37	51.4	501	15	US-10-369-493-636	Sequence 636, Ap
23	36	50.0	141	14	US-10-262-666-79	Sequence 79, Appl
24	36	50.0	150	14	US-10-262-666-78	Sequence 78, Appl
25	36	50.0	275	15	US-10-369-493-19818	Sequence 19818, A
26	36	50.0	417	15	US-10-094-749-2420	Sequence 2420, Ap
27	36	50.0	553	14	US-10-054-683-33	Sequence 33, Appl
28	36	50.0	553	14	US-10-262-666-10	Sequence 10, Appl
29	36	50.0	753	14	US-10-262-666-66	Sequence 66, Appl
30	36	50.0	744	14	US-10-262-666-64	Sequence 64, Appl
31	36	50.0	831	14	US-10-273-680-2	Sequence 2, Appl1
32	36	50.0	831	14	US-10-087-887-65	Sequence 65, Appl1
33	36	50.0	831	14	US-10-087-887-72	Sequence 72, Appl
34	36	50.0	831	15	US-10-094-749-2600	Sequence 2600, Ap
35	36	50.0	1002	9	US-09-812-471-3	Sequence 3, Appl1
36	36	50.0	1002	9	US-09-812-633-3	Sequence 3, Appl1
37	36	50.0	1002	9	US-09-884-117-3	Sequence 3, Appl1
38	36	50.0	1005	9	US-09-812-471-1	Sequence 1, Appl1
39	36	50.0	1005	9	US-09-812-633-1	Sequence 1, Appl1
40	36	50.0	1005	9	US-09-988-117-1	Sequence 1, Appl1
41	36	50.0	1005	16	US-10-197-824-29	Sequence 29, Appl
42	36	50.0	1007	15	US-10-144-198-36	Sequence 36, Appl
43	36	50.0	1007	16	US-10-197-824-38	Sequence 38, Appl
44	36	50.0	1041	15	US-10-144-198-14	Sequence 14, Appl
45	35	48.6	114	15	US-10-108-260A-3115	Sequence 3115, Ap

ALIGNMENTS

RESULT 1
US-09-734-002-5
Sequence 5, Application US/09734002
Patent No. US20010016333A1
GENERAL INFORMATION:
APPLICANT: Motobatsu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734,002
FILING DATE: 12-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: <Unknown>
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 14

TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 5
US-09-734-002-5

Query Match 100.0%; Score 72; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 4,1e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QTRGSSKPHIRKR 14
DB 1 QTRGSSKPHIRKR 14

RESULT 2

US-09-734-002-2
Sequence 2, Application US/09734002
Patent No. US2001001633A1

GENERAL INFORMATION:
APPLICANT: Mochanu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb

COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734,002
FILING DATE: 12-Dec-2000
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng

REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: <Unknown>
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250

TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 607

TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Protein

ORIGINAL SOURCE:
ORGANISM: Human
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-734-002-2

Query Match 100.0%; Score 72; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 0.00019;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QTRGSSKPHIRKR 14
DB 106 QTRGSSKPHIRKR 119

RESULT 3

US-09-801-196-29

Sequence 29, Application US/09801196
Patent No. US2002003782A1
GENERAL INFORMATION:

APPLICANT: Wang, Kai
APPLICANT: Smith, Ryan
APPLICANT: Fajardo, Mark
APPLICANT: Moses, Patrick
TITLE OF INVENTION: A NOVEL MATRIX METALLOPROTEINASE (MMP-25)
FILE REFERENCE: 240083.509
CURRENT APPLICATION NUMBER: US/09/801,196
NUMBER OF SEQ ID NOS: 37
SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 29
LENGTH: 607

TYPE: PRT

ORGANISM: Homo sapiens
US-09-801-196-29

Query Match 100.0%; Score 72; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 0.00019;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QTRGSSKPHIRKR 14
DB 106 QTRGSSKPHIRKR 119

RESULT 4

US-10-176-847-88
Sequence 88, Application US/10176847
Publication No. US20030068636A1

GENERAL INFORMATION:
APPLICANT: Velby, Petter Ole
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
IDENTIFICATION, IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST
CANCER
FILE REFERENCE: MRI-039
CURRENT APPLICATION NUMBER: US/10/176,847
CURRENT FILING DATE: 2002-06-21
NUMBER OF SEQ ID NOS: 112
SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 88
LENGTH: 607

TYPE: PRT

ORGANISM: Homo sapiens
US-10-176-847-88

Query Match 100.0%; Score 72; DB 14; Length 607;
Best Local Similarity 100.0%; Pred. No. 0.00019;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QTRGSSKPHIRKR 14
DB 106 QTRGSSKPHIRKR 119

RESULT 5

US-10-131-985-47
Sequence 47, Application US/10131985
Publication No. US20030199440A1

GENERAL INFORMATION:
APPLICANT: Dack, Kevin N
APPLICANT: Davies, Michael J
APPLICANT: Fish, Paul V

APPLICANT: Huggins, Jonathan P
APPLICANT: McIntosh, Fraser S
APPLICANT: Occleston, Nicholas L
TITLE OF INVENTION: Composition
FILE REFERENCE: PCS 10351A
CURRENT APPLICATION NUMBER: US/10/131,985

;; CURRENT FILING DATE: 2002-04-25
;; PRIOR APPLICATION NUMBER: US/09/726,295
;; PRIOR FILING DATE: 2000-11-30
;; PRIOR APPLICATION NUMBER: GB 990766.8
;; PRIOR FILING DATE: 1999-12-29
;; NUMBER OF SEQ ID NOS: 60
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 47
;; LENGTH: 607
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-131-985-47

Query Match 100.0%; Score 72; DB 14; Length 607;
Best Local Similarity 100.0%; Pred. No. 0.00019;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QTRGSSKPHIRRRK 14
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Db 106 QTRGSSKPHIRRRK 119

RESULT 6
US-10-104-047-2661
;; Sequence 2661, Application US/10104047
;; Publication No. US20030236392A1
;; GENERAL INFORMATION:
;; APPLICANT: HELIX RESEARCH INSTITUTE
;; TITLE OF INVENTION: NO. US20030236392A1el full length cDNA
;; FILE REFERENCE: H1-A0105
;; CURRENT APPLICATION NUMBER: US/10/104,047
;; PRIOR FILING DATE: 2002-03-25
;; PRIOR APPLICATION NUMBER:
;; PRIOR FILING DATE:
;; NUMBER OF SEQ ID NOS: 4096
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 2661
;; LENGTH: 514
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-104-047-2661

Query Match 61.1%; Score 44; DB 15; Length 514;
Best Local Similarity 64.3%; Pred. No. 15;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 QTRGSSKPHIRRRK 14
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Db 315 KSRSSSKSHRRKR 328

RESULT 7
US-10-105-959-4
;; Sequence 4, Application US/10105959
;; Publication No. US20030068630A1
;; GENERAL INFORMATION:
;; APPLICANT: Myriad Genetics, Inc.
;; APPLICANT: Climbora, Daniel M.
;; APPLICANT: Heichman, Karen
;; APPLICANT: Bartel, Paul L.
;; TITLE OF INVENTION: Protein-Protein Interactions
;; FILE REFERENCE: 2318-305-II
;; CURRENT APPLICATION NUMBER: US/10/105,959
;; CURRENT FILING DATE: 2002-03-21
;; PRIOR APPLICATION NUMBER: US 60/278,428
;; PRIOR FILING DATE: 2001-03-26
;; NUMBER OF SEQ ID NOS: 4
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 4
;; LENGTH: 624
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-105-959-4

Query Match 61.1%; Score 44; DB 14; Length 624;
Best Local Similarity 64.3%; Pred. No. 18;
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 QTRGSSKPHIRRRK 14
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Db 315 KSRSSSKSHRRKR 328

RESULT 8
US-10-303-664A-51
;; Sequence 51, Application US/10303664A
;; Publication No. US20030153018A1
;; GENERAL INFORMATION:
;; APPLICANT: Hunter, John Joseph
;; APPLICANT: Williamson, Mark W.
;; APPLICANT: MacBeth, Kyle J.
;; APPLICANT: Rudolph-Owen, Laura A.
;; APPLICANT: Tsai, Fong-Ying
;; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
;; TITLE OF INVENTION: CANCER USING 2192, 2193, 6568, 8895, 9138, 9217, 9609,
;; TITLE OF INVENTION: 33794, 54476 and 94710
;; FILE REFERENCE: MP12001-29053R(M)
;; CURRENT APPLICATION NUMBER: US/10/303,664A
;; CURRENT FILING DATE: 2002-11-25
;; NUMBER OF SEQ ID NOS: 57
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 51
;; LENGTH: 390
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-303-664A-51

Query Match 59.7%; Score 43; DB 14; Length 390;
Best Local Similarity 66.7%; Pred. No. 17;
Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 3 RGSSEKPHIRRRK 14
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Db 250 KNSSEKPHIRRRK 261

RESULT 9
US-10-264-237-2557
;; Sequence 2557, Application US/10264237
;; Publication No. US20040009491A1
;; GENERAL INFORMATION:
;; APPLICANT: Bires et al.
;; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;; FILE REFERENCE: P131P1
;; CURRENT APPLICATION NUMBER: US/10/264,237
;; PRIOR FILING DATE: 2002-10-04
;; PRIOR APPLICATION NUMBER: PCT/US01/16450
;; PRIOR FILING DATE: 2001-05-18
;; PRIOR APPLICATION NUMBER: US 60/205,515
;; PRIOR FILING DATE: 2000-05-19
;; NUMBER OF SEQ ID NOS: 2876
;; SOFTWARE: PatentIn Ver. 3.1
;; SEQ ID NO 2557
;; LENGTH: 390
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; NAME/KEY: MISC FEATURE
;; LOCATION: (52)
;; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acid
;; NAME/KEY: MISC FEATURE
;; LOCATION: (217)
;; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acid
;; FEATURE:

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; NAME/KEY: MISC FEATURE
; LOCATION: (303)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-237-2557

Query Match
Best Local Similarity 59.7%; Score 43; DB 15; Length 390;
Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 3 RGSSKPHRRKR 14
DB 250 KNSSKPHRRKR 261

RESULT 10
US-10-074-045-46
; Sequence 46; Application US/10074045
; Publication No. US2003092102A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT221C1
; CURRENT APPLICATION NUMBER: US/10/074,045
; CURRENT FILING DATE: 2002-02-14
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 46
; LENGTH: 395
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (94)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (222)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: misc feature
; LOCATION: (308)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-074-045-46

Query Match
Best Local Similarity 59.7%; Score 43; DB 14; Length 395;
Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 3 RGSSKPHRRKR 14
DB 255 KNSSKPHRRKR 266

RESULT 11
US-10-029-386-28706
; Sequence 28706; Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; FILE REFERENCE: AECOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 28706
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
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; FEATURE:
; OTHER INFORMATION: MAP TO CHR9.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.66
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.79
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.88
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.88
US-10-029-386-28706

Query Match
Best Local Similarity 52.8%; Score 38; DB 14; Length 123;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 5 SSKPHRRKR 14
DB 100 SSKPHRRKR 109

RESULT 12
US-10-369-493-16185
; Sequence 16185; Application US/10369493
; Publication No. US2003023675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xiandeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 16185
; LENGTH: 567
; TYPE: PRT
; ORGANISM: Xanthomonas campestris
US-10-369-493-16185

Query Match
Best Local Similarity 52.8%; Score 38; DB 15; Length 567;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 TRGSSKPHH 10
DB 3 TRGSSKPHH 11

RESULT 13
US-10-369-493-15803
; Sequence 15803; Application US/10369493
; Publication No. US2003023675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xiandeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 15803
; LENGTH: 619
; TYPE: PRT
; ORGANISM: Xanthomonas campestris
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US-10-369-493-15803

Query Match 52.8%; Score 38; DB 15; Length 619;
Best Local Similarity 77.8%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 TRGSSKFHI 10
DB 55 TRGSSGFHI 63

RESULT 14

US-10-369-493-15435
; Sequence 15435, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 15435
; LENGTH: 771
; TYPE: PRT
; ORGANISM: Xanthomonas campestris
US-10-369-493-15435

Query Match 52.8%; Score 38; DB 15; Length 771;
Best Local Similarity 77.8%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 TRGSSKFHI 10
DB 29 TRGSSGFHI 37

RESULT 15

US-10-369-493-1645
; Sequence 1645, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 1645
; LENGTH: 852
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-10-369-493-1645

Query Match 52.8%; Score 38; DB 15; Length 852;
Best Local Similarity 46.2%; Pred. No. 2.9e+02;
Matches 6; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1 QTRGSSKFHRRK 13

DB 268 RSRATRKXHIQRK 280

Search completed: March 15, 2004, 12:58:12
Job time : 23.8 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 15, 2004, 12:55:20 ; Search time 22 Seconds
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Title: US-09-734-002-2

Perfect score: 607

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	607	100.0	607	US-09-000-041A-2	Sequence 2, Appl1
2	520	85.7	607	US-09-211-704A-10	Sequence 10, Appl1
3	211	34.8	604	US-09-391-104-30	Sequence 30, Appl1
4	45	7.4	532	US-09-294-841-2	Sequence 2, Appl1
5	24	4.0	24	US-09-000-041A-13	Sequence 13, Appl1
6	18	3.0	564	US-09-211-704A-8	Sequence 8, Appl1
7	18	3.0	669	US-08-704-711A-3	Sequence 3, Appl1
8	18	3.0	669	US-09-521-220-3	Sequence 29, Appl1
9	18	3.0	669	US-09-391-104-29	Sequence 1, Appl1
10	17	2.8	579	US-08-704-711A-1	Sequence 1, Appl1
11	17	2.8	579	US-09-521-220-1	Sequence 2, Appl1
12	17	2.8	582	US-08-704-711A-2	Sequence 9, Appl1
13	17	2.8	582	US-08-448-489-1	Sequence 1, Appl1
14	17	2.8	582	US-09-211-704A-9	Sequence 2, Appl1
15	17	2.8	582	US-09-521-220-2	Sequence 28, Appl1
16	17	2.8	582	US-09-391-104-28	Sequence 2, Appl1
17	15	2.5	324	US-08-116-755-2	Sequence 2, Appl1
18	15	2.5	324	US-09-090-673-2	Sequence 5, Appl1
19	14	2.3	14	US-09-000-041A-5	Sequence 8, Appl1
20	14	2.3	14	US-09-000-041A-6	Sequence 13, Appl1
21	14	2.3	14	US-09-000-041A-8	Sequence 13, Appl1
22	11	1.8	11	US-08-704-711A-13	Sequence 3, Appl1
23	11	1.8	11	US-09-521-220-13	Sequence 3, Appl1
24	11	1.8	462	US-08-068-392-3	Sequence 2, Appl1
25	11	1.8	462	US-08-396-988-3	Sequence 17, Appl1
26	10	1.6	444	US-09-178-002-2	Sequence 17, Appl1
27	10	1.6	466	US-08-704-711A-17	Sequence 17, Appl1

28	10	1.6	466	4	US-09-521-220-17	Sequence 17, Appl1
29	10	1.6	467	1	US-09-178-002-4	Sequence 4, Appl1
30	10	1.6	467	4	US-09-391-104-24	Sequence 24, Appl1
31	10	1.6	468	3	US-08-448-489-13	Sequence 13, Appl1
32	10	1.6	471	4	US-09-391-104-25	Sequence 25, Appl1
33	9	1.5	9	4	US-09-647-3728-51	Sequence 51, Appl1
34	9	1.5	18	3	US-09-000-041A-7	Sequence 7, Appl1
35	9	1.5	231	3	US-08-448-489-19	Sequence 19, Appl1
36	9	1.5	338	4	US-09-328-352-4958	Sequence 4958, Appl1
37	8	1.3	9	4	US-08-482-543-113	Sequence 113, Appl1
38	8	1.3	9	4	US-09-492-543-134	Sequence 134, Appl1
39	8	1.3	10	4	US-09-171-545-20	Sequence 20, Appl1
40	8	1.3	264	3	US-09-009-156-6	Sequence 6, Appl1
41	8	1.3	264	4	US-09-372-154-6	Sequence 6, Appl1
42	8	1.3	267	3	US-08-448-489-18	Sequence 18, Appl1
43	8	1.3	267	4	US-09-391-104-27	Sequence 27, Appl1
44	8	1.3	271	3	US-08-836-062-2	Sequence 2, Appl1
45	8	1.3	320	4	US-09-489-039A-11385	Sequence 11385, A

ALIGNMENTS

RESULT 1
US-09-000-041A-2
Sequence 2, Application US/09000041A
Patent No. 6191255
GENERAL INFORMATION:
APPLICANT: Motoharu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/000, 041A
FILING DATE: January 13, 1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 607
TYPE: Amino acid
STANDARDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Protein
ORIGINAL SOURCE:
ORGANISM: Human
US-09-000-041A-2
Query Match 100.0%; Score 607; DB 3; Length 607;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 607; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 MILLTSTGRRLDFVHSGVFFLQTLMLTLCATVCGTEQYVNEVWLQKGYLPPTDPM 60
      1 MILLTSTGRRLDFVHSGVFFLQTLMLTLCATVCGTEQYVNEVWLQKGYLPPTDPM 60
Db      1 MILLTSTGRRLDFVHSGVFFLQTLMLTLCATVCGTEQYVNEVWLQKGYLPPTDPM 60
QY      61 SVLRSAETMQSALAAQOQFYGINMGKVDNRTIDMMKKPRCGVPDQTRGSSKFIIRKRY 120
      61 SVLRSAETMQSALAAQOQFYGINMGKVDNRTIDMMKKPRCGVPDQTRGSSKFIIRKRY 120
Db      61 SVLRSAETMQSALAAQOQFYGINMGKVDNRTIDMMKKPRCGVPDQTRGSSKFIIRKRY 120
QY      121 ALTGQKQKHITYSIKNTVPRKVDPETRKAIIRAPDVWQNTPLTFEEVYSELENGKR 180
      121 ALTGQKQKHITYSIKNTVPRKVDPETRKAIIRAPDVWQNTPLTFEEVYSELENGKR 180
Db      121 ALTGQKQKHITYSIKNTVPRKVDPETRKAIIRAPDVWQNTPLTFEEVYSELENGKR 180
QY      181 DVDITTFASGFGHSDSPFDGEGFLAHAYFPGPGIGDTHDSEPTLGNPHNDGDL 240
      181 DVDITTFASGFGHSDSPFDGEGFLAHAYFPGPGIGDTHDSEPTLGNPHNDGDL 240
Db      181 DVDITTFASGFGHSDSPFDGEGFLAHAYFPGPGIGDTHDSEPTLGNPHNDGDL 240
QY      241 FLVAVHELGHALGLEHSDPTALMAPFYQYMETDNFKLPNDLQGIQKIYGPDPKIPPT 300
      241 FLVAVHELGHALGLEHSDPTALMAPFYQYMETDNFKLPNDLQGIQKIYGPDPKIPPT 300
Db      241 FLVAVHELGHALGLEHSDPTALMAPFYQYMETDNFKLPNDLQGIQKIYGPDPKIPPT 300
QY      301 RPLPTVPRHSIPPADPRKNDRKPPEPTGRPSYGAKEPICDGNFTLAILRREMFV 360
      301 RPLPTVPRHSIPPADPRKNDRKPPEPTGRPSYGAKEPICDGNFTLAILRREMFV 360
Db      301 RPLPTVPRHSIPPADPRKNDRKPPEPTGRPSYGAKEPICDGNFTLAILRREMFV 360
QY      361 KDQWFRVRRNNRVMDGYPMQITVFRGLPSPSIDAVYENSNGNFVFKGNKTVWFKDTTLQ 420
      361 KDQWFRVRRNNRVMDGYPMQITVFRGLPSPSIDAVYENSNGNFVFKGNKTVWFKDTTLQ 420
Db      361 KDQWFRVRRNNRVMDGYPMQITVFRGLPSPSIDAVYENSNGNFVFKGNKTVWFKDTTLQ 420
QY      421 PGYPHDLITLGSIGIPPHGIDSAIMWEDVQKTYFEKDRYWRSEEMKTMDDGYPRPIVW 480
      421 PGYPHDLITLGSIGIPPHGIDSAIMWEDVQKTYFEKDRYWRSEEMKTMDDGYPRPIVW 480
Db      421 PGYPHDLITLGSIGIPPHGIDSAIMWEDVQKTYFEKDRYWRSEEMKTMDDGYPRPIVW 480
QY      481 KGIPESPOGAFVHKENGFTFYKGEYKWKFNNOILKVEPGHPSILIKDPMGCDGPTDVK 540
      481 KGIPESPOGAFVHKENGFTFYKGEYKWKFNNOILKVEPGHPSILIKDPMGCDGPTDVK 540
Db      481 KGIPESPOGAFVHKENGFTFYKGEYKWKFNNOILKVEPGHPSILIKDPMGCDGPTDVK 540
QY      541 EGHSPDDVDIVIKLNTASTVKAIAIVPCILALCLLVAVTVFQFKKGPRIHLVCK 600
      541 EGHSPDDVDIVIKLNTASTVKAIAIVPCILALCLLVAVTVFQFKKGPRIHLVCK 600
Db      541 EGHSPDDVDIVIKLNTASTVKAIAIVPCILALCLLVAVTVFQFKKGPRIHLVCK 600
QY      601 RSMQEWV 607
      601 RSMQEWV 607
Db      601 RSMQEWV 607

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RESULT 2

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US-09-211-704A-10
; Sequence 10, Application US/09211704A
; Patent No. 6271014
; GENERAL INFORMATION:
; APPLICANT: de Saint-Vin, Blandine Marie
; APPLICANT: Rossiez, Francois
; APPLICANT: Caux, Christophe
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Proteinases; Related Reagents
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNA Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/211,704A
; FILING DATE:
; CLASSIFICATION: 435

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```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/005,263
; FILING DATE: 09-JAN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: SF0781K
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-9196
; TELEFAX: (650) 496-1200
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 607 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-211-704A-10

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Query Match

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85.7%; Score 520; DB 3; Length 607;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 520; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 MILLTSTGRRLDFVHSGVFFLQTLMLTLCATVCGTEQYVNEVWLQKGYLPPTDPM 60
      1 MILLTSTGRRLDFVHSGVFFLQTLMLTLCATVCGTEQYVNEVWLQKGYLPPTDPM 60
Db      1 MILLTSTGRRLDFVHSGVFFLQTLMLTLCATVCGTEQYVNEVWLQKGYLPPTDPM 60
QY      61 SVLRSAETMQSALAAQOQFYGINMGKVDNRTIDMMKKPRCGVPDQTRGSSKFIIRKRY 120
      61 SVLRSAETMQSALAAQOQFYGINMGKVDNRTIDMMKKPRCGVPDQTRGSSKFIIRKRY 120
Db      61 SVLRSAETMQSALAAQOQFYGINMGKVDNRTIDMMKKPRCGVPDQTRGSSKFIIRKRY 120
QY      121 ALTGQKQKHITYSIKNTVPRKVDPETRKAIIRAPDVWQNTPLTFEEVYSELENGKR 180
      121 ALTGQKQKHITYSIKNTVPRKVDPETRKAIIRAPDVWQNTPLTFEEVYSELENGKR 180
Db      121 ALTGQKQKHITYSIKNTVPRKVDPETRKAIIRAPDVWQNTPLTFEEVYSELENGKR 180
QY      181 DVDITTFASGFGHSDSPFDGEGFLAHAYFPGPGIGDTHDSEPTLGNPHNDGDL 240
      181 DVDITTFASGFGHSDSPFDGEGFLAHAYFPGPGIGDTHDSEPTLGNPHNDGDL 240
Db      181 DVDITTFASGFGHSDSPFDGEGFLAHAYFPGPGIGDTHDSEPTLGNPHNDGDL 240
QY      241 FLVAVHELGHALGLEHSDPTALMAPFYQYMETDNFKLPNDLQGIQKIYGPDPKIPPT 300
      241 FLVAVHELGHALGLEHSDPTALMAPFYQYMETDNFKLPNDLQGIQKIYGPDPKIPPT 300
Db      241 FLVAVHELGHALGLEHSDPTALMAPFYQYMETDNFKLPNDLQGIQKIYGPDPKIPPT 300
QY      301 RPLPTVPRHSIPPADPRKNDRKPPEPTGRPSYGAKEPICDGNFTLAILRREMFV 360
      301 RPLPTVPRHSIPPADPRKNDRKPPEPTGRPSYGAKEPICDGNFTLAILRREMFV 360
Db      301 RPLPTVPRHSIPPADPRKNDRKPPEPTGRPSYGAKEPICDGNFTLAILRREMFV 360
QY      361 KDQWFRVRRNNRVMDGYPMQITVFRGLPSPSIDAVYENSNGNFVFKGNKTVWFKDTTLQ 420
      361 KDQWFRVRRNNRVMDGYPMQITVFRGLPSPSIDAVYENSNGNFVFKGNKTVWFKDTTLQ 420
Db      361 KDQWFRVRRNNRVMDGYPMQITVFRGLPSPSIDAVYENSNGNFVFKGNKTVWFKDTTLQ 420
QY      421 PGYPHDLITLGSIGIPPHGIDSAIMWEDVQKTYFEKDRYWRSEEMKTMDDGYPRPIVW 480
      421 PGYPHDLITLGSIGIPPHGIDSAIMWEDVQKTYFEKDRYWRSEEMKTMDDGYPRPIVW 480
Db      421 PGYPHDLITLGSIGIPPHGIDSAIMWEDVQKTYFEKDRYWRSEEMKTMDDGYPRPIVW 480
QY      481 KGIPESPOGAFVHKENGFTFYKGEYKWKFNNOILKVEPG 520
      481 KGIPESPOGAFVHKENGFTFYKGEYKWKFNNOILKVEPG 520
Db      481 KGIPESPOGAFVHKENGFTFYKGEYKWKFNNOILKVEPG 520

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RESULT 3

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US-09-391-104-30
; Sequence 30, Application US/09391104
; Patent No. 639371
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Falduto, Michael T.
; APPLICANT: Magnuson, Scott R.
; APPLICANT: Morgan, Douglas W.
; TITLE OF INVENTION: HUMAN MATRIX METALLOPROTEASE GENE,
; PROTEINS ENCODED THEREFROM AND METHODS
; OF USING SAME
; FILE REFERENCE: 6073-US.F1

```

;; CURRENT APPLICATION NUMBER: US/09/391,104
;; CURRENT FILING DATE: 1999-09-07
;; PRIOR APPLICATION NUMBER: US 08/814,394
;; PRIOR FILING DATE: 1997-03-11
;; NUMBER OF SEQ ID NOS: 35
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 30
;; LENGTH: 604
;; TYPE: PRF
;; ORGANISM: Homo sapiens
US-09-391-104-30

Query Match 34.8%; Score 211; DB 4; Length 604;
Best Local Similarity 100.0%; Pred. No. 3,5e-202; Indels 0; Gaps 0;
Matches 211; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 293 PKKIPPTPLPTVPFRRSIPADPRKNDKRPPTGRSPYPGAKPNICDGNFTLAI 352
DB 290 PKKIPPTPLPTVPFRRSIPADPRKNDKRPPTGRSPYPGAKPNICDGNFTLAI 349
QY 353 LRREMFVFDQMFWRVNNRVMGDPQITTFWKGLPSTLAVYENDGNFVFKKRYM 412
DB 350 LRREMFVFDQMFWRVNNRVMGDPQITTFWKGLPSTLAVYENDGNFVFKKRYM 409
QY 413 VFEDTLQGYPHDITLIGSGIPPHGISAIWMDVGKTYFKGDRYRYSSEKMTMDPG 472
DB 410 VFEDTLQGYPHDITLIGSGIPPHGISAIWMDVGKTYFKGDRYRYSSEKMTMDPG 469
QY 473 YPKPITVMKGIPESSPGAFVAKENGFTYFYK 503
DB 470 YPKPITVMKGIPESSPGAFVAKENGFTYFYK 500

RESULT 4
US-09-294-841-2
; Sequence 2, Application US/09294841A
; Patent No. 6274717
; GENERAL INFORMATION:
; APPLICANT: Anthony J. Arleth
; APPLICANT: Anne Romanic Arnold
; APPLICANT: Xisatong Li
; APPLICANT: Yuan Zhu
; TITLE OF INVENTION: A SPLICING VARIANT OF HUMAN MEMBRANE TYPE
; TITLE OF INVENTION: MATRIX METALLOPROTEINASE-5 (MT-MMP-5)
; FILE REFERENCE: GR-70613
; CURRENT APPLICATION NUMBER: US/09/294,841A
; CURRENT FILING DATE: 1999-04-20
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 532
; TYPE: PRF
; ORGANISM: HOMO SAPIEN
US-09-294-841-2

Query Match 7.4%; Score 45; DB 3; Length 532;
Best Local Similarity 100.0%; Pred. No. 2,2e-36; Indels 0; Gaps 0;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 188 FASGFHGDSSPFDEGGFLAHAYFPGIGDTHFSDDEPWTIGN 232
DB 111 FASGFHGDSSPFDEGGFLAHAYFPGIGDTHFSDDEPWTIGN 155
RESULT 5
US-09-000-041A-13
; Sequence 13, Application US/09000041A
; Patent No. 6191255
; GENERAL INFORMATION:
; APPLICANT: Moroharu SEIKI et al.
; TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:

;; ADDRESSER: Wenderoth, Lind & Ponack, L.L.P.
;; STREET: 2033 K Street, N.W., Suite 800
;; CITY: Washington
;; STATE: D.C.
;; COUNTRY: U.S.A.
;; ZIP: 20006
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: MS-DOS
;; SOFTWARE: Wordperfect 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/000,041A
;; FILING DATE: January 13, 1998
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/JP96/01956
;; FILING DATE: July 12, 1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Lee Cheng
;; REGISTRATION NUMBER: 40,949
;; REFERENCE/DOCKET NUMBER:
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-721-8200
;; TELEFAX: 202-721-8250
;; TELERX:
;; INFORMATION FOR SEQ ID NO: 13:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 24
;; TYPE: Amino Acid
;; STRANDEDNESS: Single
;; TOPOLOGY: Linear
;; MOLECULE TYPE: Peptide
US-09-000-041A-13

Query Match 4.0%; Score 24; DB 3; Length 24;
Best Local Similarity 100.0%; Pred. No. 1,2e-16; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 564 AIAIVIPCIALCLVAVYTFQF 587
DB 1 AIAIVIPCIALCLVAVYTFQF 24
RESULT 6
US-09-211-704A-8
; Sequence 8, Application US/09211704A
; Patent No. 6271014
; GENERAL INFORMATION:
; APPLICANT: de Saint-Vie, Blandine Marie
; APPLICANT: Fossiez, Francois
; APPLICANT: Caux, Christophe
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Proteinases; Related Reagents
; TITLE OF INVENTION: and Methods
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSER: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/211,704A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 09/005,263
FILING DATE: 09-JAN-1998
ATTORNEY/AGENT INFORMATION:
NAME: CHING, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0781K
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1200
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 564 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-211-704A-8

Query Match 3.0%; Score 18; DB 3; Length 564;
Best Local Similarity 100.0%; Pred. No. 2.2e-09;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 240 LFLVAVHELGHALGLEHS 257
DB 148 LFLVAVHELGHALGLEHS 165

RESULT 7
US-08-704-711A-3
Sequence 3, Application US/08704711A
Patent No. 6114159
GENERAL INFORMATION:
APPLICANT: WILK, Horst
APPLICANT: HINZMANN, Bernd
TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX
TITLE OF INVENTION: METALLOPROTEASES, THEIR PRODUCTION AND USE
NUMBER OF SEQUENCES: 22
CURRENT APPLICATION DATA:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
FILING DATE: 20-NOV-1996
APPLICATION NUMBER: US/08/704,711A
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/DE95/00357
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 4438838.1
FILING DATE: 21-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 4409663.1
FILING DATE: 17-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 26083/124
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 669 amino acids

TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-704-711A-3

Query Match 3.0%; Score 18; DB 3; Length 669;
Best Local Similarity 100.0%; Pred. No. 2.6e-09;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 240 LFLVAVHELGHALGLEHS 257
DB 253 LFLVAVHELGHALGLEHS 270

RESULT 8
US-09-521-220-3
Sequence 3, Application US/09521220
Patent No. 639348
GENERAL INFORMATION:
APPLICANT: WILK, Horst
APPLICANT: HINZMANN, Bernd
TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX
TITLE OF INVENTION: METALLOPROTEASES, THEIR PRODUCTION AND USE
NUMBER OF SEQUENCES: 22
CURRENT APPLICATION DATA:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
FILING DATE: 08-MAR-2000
APPLICATION NUMBER: US/09/521,220
CLASSIFICATION: <Unknown>
21-OCT-1994
17-MAR-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/704,711
FILING DATE: <Unknown>
APPLICATION NUMBER: DE 4438838.1
FILING DATE: 21-OCT-1994
APPLICATION NUMBER: DE 4409663.1
FILING DATE: 17-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 26083/124
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 669 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-521-220-3

Query Match 3.0%; Score 18; DB 4; Length 669;
Best Local Similarity 100.0%; Pred. No. 2.6e-09;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 240 LFLVAVHELGHALGLEHS 257
DB 253 LFLVAVHELGHALGLEHS 270

RESULT 9
US-09-391-104-29
Sequence 29, Application US/09391104
Patent No. 6399371
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Falduto, Michael T.
APPLICANT: Magnuson, Scott R.
APPLICANT: Morgan, Douglas W.
TITLE OF INVENTION: HUMAN MATRIX METALLOPROTEASE GENE,
TITLE OF INVENTION: PROTEINS ENCODED THEREFROM AND METHODS
FILE REFERENCE: 6073.US.P1
CURRENT FILING DATE: 1999-09-07
PRIOR FILING DATE: 1997-03-11
NUMBER OF SEQ ID NOS: 35
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 29
LENGTH: 669
TYPE: PRT
ORGANISM: Homo sapiens
US-09-391-104-29

Query Match 3.0%; Score 18; DB 4; Length 669;
Best Local Similarity 100.0%; Pred. No. 2.6e-09;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 240 LFLVAVHELGHALGSHS 257
DB 253 LFLVAVHELGHALGSHS 270

RESULT 10
US-08-704-711A-1
Sequence 1, Application US/08704711A
Patent No. 6114159
GENERAL INFORMATION:
APPLICANT: WILL, Horst
APPLICANT: HINZMANN, Bernd
TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX
TITLE OF INVENTION: METALLOPROTEASES, THEIR PRODUCTION AND USE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 08/08/704, 711A
FILING DATE: 20-NOV-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/DE95/00357
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 4438838.1
FILING DATE: 21-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 4409663.1
FILING DATE: 17-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.

REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 26083/124
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 579 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-704-711A-1

Query Match 2.8%; Score 17; DB 3; Length 579;
Best Local Similarity 100.0%; Pred. No. 2.3e-08;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 PPDGGGSLAAYFPGP 214
DB 188 PPDGGGSLAAYFPGP 204

RESULT 11
US-09-521-220-1
Sequence 1, Application US/09521220
Patent No. 6399348
GENERAL INFORMATION:
APPLICANT: WILL, Horst
APPLICANT: HINZMANN, Bernd
TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX
TITLE OF INVENTION: METALLOPROTEASES, THEIR PRODUCTION AND USE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/521,220
FILING DATE: 08-Mar-2000
CLASSIFICATION: <Unknown>
21-OCT-1994
17-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/704,711
FILING DATE: <Unknown>
APPLICATION NUMBER: DE 4438838.1
FILING DATE: 21-OCT-1994
APPLICATION NUMBER: DE 4409663.1
FILING DATE: 17-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 26083/124
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 579 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-521-220-1

Query Match 2.8%; Score 17; DB 4; Length 579;
Best Local Similarity 100.0%; Pred. No. 2.3e-08;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 PFDGEGFLAHAYFPGP 214
DB 188 PFDGEGFLAHAYFPGP 204

RESULT 12

US-08-704-711A-2
Sequence 2, Application US/08704711A
Patent No. 6114159
GENERAL INFORMATION:
APPLICANT: WILLY, Horst
APPLICANT: HINZMANN, Bernd
TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX
NUMBER OF INVENTION: METALLOPROTEASES, THEIR PRODUCTION AND USE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/704, 711A
FILING DATE: 20-NOV-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/DE95/00357
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 4438838.1
FILING DATE: 21-OCT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 4409663.1
FILING DATE: 17-MAR-1994

ATTORNEY/AGENT INFORMATION:
NAME: GRANADOS, Patricia D.
REGISTRATION NUMBER: 33,683
REFERENCE/DOCKET NUMBER: 26083/124
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 582 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

US-08-704-711A-2

Query Match 2.8%; Score 17; DB 3; Length 582;
Best Local Similarity 100.0%; Pred. No. 2.3e-08;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 PFDGEGFLAHAYFPGP 214
DB 191 PFDGEGFLAHAYFPGP 207

RESULT 13
US-08-448-489-1

Sequence 1, Application US/08448489
Patent No. 6184022
GENERAL INFORMATION:
APPLICANT: SEIKI, Motoharu
APPLICANT: SATO, Hiroshi
APPLICANT: SHINAGAWA, Akira

TITLE OF INVENTION: NOVEL METALLOPROTEINASE AND ENCODING DNA THEREFOR
FILE REFERENCE: 55-290P
CURRENT APPLICATION NUMBER: US/08/448, 489
CURRENT FILING DATE: 1995-06-07
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 582
TYPE: PRT
ORGANISM: Homo sapiens

US-08-448-489-1

Query Match 2.8%; Score 17; DB 3; Length 582;
Best Local Similarity 100.0%; Pred. No. 2.3e-08;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 PFDGEGFLAHAYFPGP 214
DB 191 PFDGEGFLAHAYFPGP 207

RESULT 14

US-09-211-704A-9
Sequence 9, Application US/09211704A
Patent No. 6271014
GENERAL INFORMATION:

APPLICANT: de Saint-Vin, Blandine Marie
APPLICANT: Fossiez, Francois
APPLICANT: Caux, Christophe
TITLE OF INVENTION: Mammalian Proteinases; Related Reagents
TITLE OF INVENTION: and Methods
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/211, 704A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/005,263
FILING DATE: 09-JAN-1998
ATTORNEY/AGENT INFORMATION:
NAME: CHING, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0781K
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1200

INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 582 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide

US-09-211-704A-9

Query Match 2.8%; Score 17; DB 3; Length 582;
 Best Local Similarity 100.0%; Pred. No. 2.3e-08;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 PPDGEGFLAHAYFPGP 214
 |||||
 DB 191 PPDGEGFLAHAYFPGP 207

RESULT 15

US-09-521-220-2

Sequence 2, Application US/09521220

Patent No. 639348

GENERAL INFORMATION:

APPLICANT: WIL, Horst

TITLE OF INVENTION: DNA SEQUENCES FOR MATRIX METALLOPROTEASES, THEIR PRODUCTION AND USE

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESS: 3000 K Street, N.W., Suite 500

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/521,220

FILING DATE: 08-Mar-2000

CLASSIFICATION: <Unknown>

21-OCT-1994

17-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/704,711

FILING DATE: <Unknown>

APPLICATION NUMBER: DE 4438838.1

FILING DATE: 21-OCT-1994

APPLICATION NUMBER: DE 4409663.1

FILING DATE: 17-MAR-1994

ATTORNEY/AGENT INFORMATION:

NAME: GRANADOS, Patricia D.

REGISTRATION NUMBER: 33,683

REFERENCE/DOCKET NUMBER: 26083/124

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 672-5300

TELEFAX: (202) 672-5399

TELEX: 904136

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 582 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2

US-09-521-220-2

Query Match 2.8%; Score 17; DB 4; Length 582;

Best Local Similarity 100.0%; Pred. No. 2.3e-08;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 PPDGEGFLAHAYFPGP 214

DB 191 PPDGEGFLAHAYFPGP 207

Search completed: March 15, 2004, 13:11:03

Job time: 23 secs

Mon Mar 15 13:28:00 2004

us-09-734-002-5.ral

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 15, 2004, 12:48:00 / Search time 12.3667 Seconds
(without alignments)
58.444 Million cell updates/sec

Title: US-09-734-002-5

Sequence: 1 QTRSSKFRIRKR 14

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database:

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep.*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*
- 5: /cgn2_6/ptodata/2/1aa/PCTUS.COMB.pep.*
- 6: /cgn2_6/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	72	100.0	14	3	US-09-000-041A-5
2	72	100.0	604	4	US-09-391-104-30
3	72	100.0	607	4	US-09-000-041A-2
4	72	100.0	607	3	US-09-211-704A-10
5	41	56.9	91	4	US-09-732-210-997
6	41	56.9	92	4	US-09-732-210-132
7	40.5	56.2	375	4	US-09-489-039A-13782
8	40	55.6	101	4	US-09-134-000C-4753
9	38	52.8	108	4	US-09-252-991A-29540
10	38	52.8	290	4	US-09-252-991A-24770
11	38	52.8	629	4	US-09-252-991A-22901
12	37	51.4	67	4	US-09-107-532A-4027
13	36	50.0	173	4	US-09-252-991A-19987
14	36	50.0	330	4	US-09-252-991A-21479
15	36	50.0	416	4	US-09-252-991A-21587
16	36	50.0	648	4	US-09-328-352-5153
17	36	50.0	3025	6	5223423-3
18	35	48.6	299	4	US-09-393-634-35
19	35	48.6	583	4	US-09-976-594-837
20	34	47.2	35	3	US-08-810-009-18
21	34	47.2	35	4	US-09-776-490-18
22	34	47.2	61	4	US-09-732-210-1001
23	34	47.2	155	4	US-09-621-976-5347
24	34	47.2	171	2	US-08-853-659A-54
25	34	47.2	240	4	US-09-252-991A-16592
26	34	47.2	434	4	US-09-252-991A-23131
27	34	47.2	502	4	US-09-489-039A-11955

28	33	45.8	72	4	US-09-328-352-5301	Sequence 5301, Ap
29	33	45.8	98	4	US-09-252-991A-19732	Sequence 19732, A
30	33	45.8	200	4	US-09-813-742A-10	Sequence 10, Appl
31	33	45.8	241	4	US-09-252-991A-17968	Sequence 17968, A
32	33	45.8	249	1	US-08-587-236-5	Sequence 5, Appl1
33	33	45.8	249	1	US-08-746-682A-5	Sequence 5, Appl1
34	33	45.8	287	1	US-08-365-981-10	Sequence 10, Appl
35	33	45.8	287	1	US-08-365-981-11	Sequence 11, Appl
36	33	45.8	442	4	US-09-489-039A-13610	Sequence 13610, A
37	33	45.8	452	4	US-08-809-802-12	Sequence 12, Appl
38	33	45.8	525	4	US-09-134-001C-3514	Sequence 3514, Ap
39	33	45.8	587	2	US-08-871-266B-18	Sequence 18, Appl
40	33	45.8	587	2	US-08-871-267B-24	Sequence 24, Appl
41	33	45.8	587	3	US-09-618-419-24	Sequence 24, Appl
42	33	45.8	822	4	US-09-252-991A-21920	Sequence 21920, A
43	33	45.8	871	4	US-09-252-991A-33057	Sequence 33057, A
44	33	45.8	1027	4	US-09-252-991A-26216	Sequence 26216, A
45	33	45.8				

ALIGNMENTS

RESULT 1
US-09-000-041A-5
Sequence 5, Application US/09000041A
Patent No. 6191255
GENERAL INFORMATION:
APPLICANT: Notoharu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Mendelsohn, Lind & Porack, L.L.P.
STREET: 203 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/000,041A
FILING DATE: January 13, 1998
CLASSIFICATION: 536
PRIOR APPLICATION:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 14
TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
US-09-000-041A-5
Query Match 100.0%; Score 72; DB 3; Length 14;
Best Local Similarity 100.0%; Pred. No. 1.3e-06;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 QTRSSKFRIRKR 14
|||||

Db 1 QTRGSSKPHIRRR 14

RESULT 2

US-09-391-104-30
Sequence 30, Application US/09391104
Patent No. 6399371
GENERAL INFORMATION:
APPLICANT: Abbott Laboratories
APPLICANT: Palduto, Michael T.
APPLICANT: Magnuson, Scott R.
APPLICANT: Morgan, Douglas W.
TITLE OF INVENTION: HUMAN MATRIX METALLOPROTEASE GENE,
TITLE OF INVENTION: OF USING SAME
FILE REFERENCE: 6073.US.P1
CURRENT APPLICATION NUMBER: US/09/391,104
CURRENT FILING DATE: 1999-09-07
PRIOR APPLICATION NUMBER: US 08/814,394
PRIOR FILING DATE: 1997-03-11
NUMBER OF SEQ ID NOS: 35
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 30
LENGTH: 604
TYPE: PRT
ORGANISM: Homo sapiens
US-09-391-104-30

Query Match

100.0%; Score 72; DB 4; Length 604;
Best Local Similarity 100.0%; Pred. No. 6e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QTRGSSKPHIRRR 14

Db 106 QTRGSSKPHIRRR 119

RESULT 3

US-09-000-041A-2
Sequence 2, Application US/09000041A
Patent No. 6191255
GENERAL INFORMATION:
APPLICANT: Motoharu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/000,041A
FILING DATE: January 13, 1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX:
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 607
TYPE: Amino acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Protein
ORIGINAL SOURCE:
ORGANISM: Human
US-09-000-041A-2

Query Match

100.0%; Score 72; DB 3; Length 607;
Best Local Similarity 100.0%; Pred. No. 6e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QTRGSSKPHIRRR 14

Db 106 QTRGSSKPHIRRR 119

RESULT 4

US-09-211-704A-10
Sequence 10, Application US/09211704A
Patent No. 6271014
GENERAL INFORMATION:
APPLICANT: de Saint-Vin, Blandine Marie
APPLICANT: Fossiez, Francois
APPLICANT: Caux, Christophe
APPLICANT: Iebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Proteinases; Related Reagents
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/211,704A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 09/005,263
APPLICATION NUMBER: US 09/005,263
FILING DATE: 09-JAN-1998
ATTORNEY/AGENT INFORMATION:
NAME: Chang, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: SF0781X
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1200
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 607 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-211-704A-10

Query Match

100.0%; Score 72; DB 3; Length 607;
Best Local Similarity 100.0%; Pred. No. 6e-05;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QTRGSSKPHIRRR 14

Db 106 QTRGSSKPHIRRR 119

RESULT 5
US-09-732-210-997
; Sequence 997, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Miltanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-Fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1998-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 997
; LENGTH: 91
; TYPE: PRT
; ORGANISM: *Caenorhabditis elegans*
US-09-732-210-997

Query Match 56.9%; Score 41; DB 4; Length 91;
Best Local Similarity 63.6%; Pred. No. 3;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 GSKFHRKR 14
Db 23 GKSPHIQKR 33

RESULT 6
US-09-732-210-132
; Sequence 132, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Miltanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-Fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 132
; LENGTH: 92
; TYPE: PRT
; ORGANISM: *Caenorhabditis elegans*
US-09-732-210-132

Query Match 56.9%; Score 41; DB 4; Length 92;
Best Local Similarity 63.6%; Pred. No. 3;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 GSKFHRKR 14
Db 23 GKSPHIQKR 33

RESULT 7
US-09-489-039A-13782
; Sequence 13782, Application US/09489039A

; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO *KLEBSIELLA*
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 13782
; LENGTH: 375
; TYPE: PRT
; ORGANISM: *Klebsiella pneumoniae*
US-09-489-039A-13782

Query Match 56.2%; Score 40.5; DB 4; Length 375;
Best Local Similarity 64.3%; Pred. No. 16;
Matches 9; Conservative 2; Mismatches 0; Indels 3; Gaps 1;

Qy 1 QTRGSS---KFRH 11
Db 301 QTRGSATVRKFLR 314

RESULT 8
US-09-134-000C-4753
; Sequence 4753, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4753
; LENGTH: 101
; TYPE: PRT
; ORGANISM: *Enterococcus faecalis*
US-09-134-000C-4753

Query Match 55.6%; Score 40; DB 4; Length 101;
Best Local Similarity 63.6%; Pred. No. 5;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 4 GSKFHRKR 14
Db 8 GTSKFLSAKR 18

RESULT 9
US-09-252-991A-29540
; Sequence 29540, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO *PSEUDOMONA*
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 29540

LENGTH: 108
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29540

Query Match 52.8%; Score 38; DB 4; Length 108;
Best Local Similarity 58.3%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 QTRGSSKFIHRRK 12
DB 39 QRRGRDQFHCR 50

RESULT 10
US-09-252-991A-24770
Sequence 24770, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 24770
LENGTH: 290
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24770

Query Match 52.8%; Score 38; DB 4; Length 290;
Best Local Similarity 50.0%; Pred. No. 33;
Matches 7; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 QTRGSSKFIHRRK 14
DB 9 RARESSWLHLHRR 22

RESULT 11
US-09-252-991A-22901
Sequence 22901, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 22901
LENGTH: 629
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22901

Query Match 52.8%; Score 38; DB 4; Length 629;
Best Local Similarity 50.0%; Pred. No. 74;
Matches 6; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 2 TRGSSKFIHRRK 13
DB 11 QTRGSSKFIHRRK 13

DB 550 TRGTGQWHVRRK 561

RESULT 12
US-09-107-532A-4027
Sequence 4027, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A. Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESS: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Attinello, Pamela Dereke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 4027:
SEQUENCE CHARACTERISTICS:
LENGTH: 67 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc feature
LOCATION: (5) LOCATION 1...67
SEQUENCE DESCRIPTION: SEQ ID NO: 4027:
US-09-107-532A-4027

Query Match 51.4%; Score 37; DB 4; Length 67;
Best Local Similarity 61.5%; Pred. No. 11;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 QTRGSSKFIHRRK 13
DB 33 QATGSSKFIHRRK 45

RESULT 13
US-09-252-991A-19987
Sequence 19987, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO: 19987
LENGTH: 173
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19987

Query Match 50.0%; Score 36; DB 4; Length 173;
Best Local Similarity 50.0%; Pred. No. 45;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 QTRGSSKPHRR 12
| : : : : :
Db 80 QARGAGRFPPRR 91

RESULT 14
US-09-252-991A-21479
Sequence 21479, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO: 21479
LENGTH: 330
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21479

Query Match 50.0%; Score 36; DB 4; Length 330;
Best Local Similarity 54.5%; Pred. No. 87;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 RGSSKPHRRK 13
| : : : : :
Db 94 RGGGRFPFRRR 104

RESULT 15
US-09-252-991A-21587
Sequence 21587, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO: 21587
LENGTH: 416
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21587

Query Match 50.0%; Score 36; DB 4; Length 416;
Best Local Similarity 61.5%; Pred. No. 114+02;
Matches 8; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
QY 2 TRGSSKPHRRK 14
| : : : : :
Db 74 TRSSSKPFVERRRQ 86

Search completed: March 15, 2004, 12:56:18
Job time: 13.3667 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 15, 2004, 13:09:56 ; Search time 39 seconds
(without alignments)

3286,411 Million cell updates/sec

Title: US-09-734-002-2

Perfect score: 607

Sequence: 1 MILTFSTGRRLDFVHSGV.....KRGKTPRHLYCKESQEWV 607

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 809742 seqs, 21153259 residues

Word size : 0

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published Applications AA:*

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3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
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17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	607	100.0	607	US-09-734-002-2	Sequence 2, Appl1
2	520	85.7	607	US-09-801-196-29	Sequence 29, Appl1
3	520	85.7	607	US-10-116-847-68	Sequence 88, Appl1
4	520	85.7	607	US-10-131-985-47	Sequence 47, Appl1
5	45	7.4	114	US-09-864-761-36859	Sequence 36859, A
6	45	7.4	532	US-09-891-160-2	Sequence 2, Appl1
7	45	7.4	618	US-10-406-209-5	Sequence 5, Appl1
8	45	7.4	645	US-10-406-209-6	Sequence 6, Appl1
9	45	7.4	645	US-10-131-985-57	Sequence 57, Appl1
10	24	4.0	24	US-09-734-002-13	Sequence 13, Appl1
11	20	3.3	582	US-10-131-985-797-6	Sequence 6, Appl1
12	18	3.0	669	US-09-801-196-28	Sequence 28, Appl1
13	18	3.0	669	US-10-131-985-45	Sequence 45, Appl1
14	17	2.8	582	US-09-816-658-4	Sequence 4, Appl1
15	17	2.8	582	US-09-801-196-27	Sequence 27, Appl1

16	2.8	582	9	US-09-919-497-84	Sequence 84, Appl1
17	2.8	582	10	US-09-916-849A-2	Sequence 2, Appl1
18	2.8	582	14	US-10-131-985-43	Sequence 43, Appl1
19	2.8	582	15	US-10-411-010-26	Sequence 26, Appl1
20	2.6	464	9	US-09-864-761-40407	Sequence 40407, A
21	2.5	464	15	US-10-409-643-21	Sequence 21, Appl1
22	2.3	14	9	US-09-734-002-5	Sequence 5, Appl1
23	2.3	14	9	US-09-734-002-6	Sequence 6, Appl1
24	2.3	14	9	US-09-734-002-8	Sequence 8, Appl1
25	1.8	452	14	US-10-337-632-5	Sequence 5, Appl1
26	1.8	452	15	US-10-409-643-15	Sequence 15, Appl1
27	1.8	452	15	US-10-409-643-17	Sequence 17, Appl1
28	1.6	50	14	US-10-219-329-3	Sequence 3, Appl1
29	1.6	50	14	US-10-153-185-3	Sequence 3, Appl1
30	1.6	50	14	US-10-219-561-3	Sequence 3, Appl1
31	1.6	55	14	US-10-219-329-10	Sequence 10, Appl1
32	1.6	55	14	US-10-153-185-10	Sequence 10, Appl1
33	1.6	55	14	US-10-219-561-10	Sequence 10, Appl1
34	1.6	171	14	US-10-050-216B-4	Sequence 4, Appl1
35	1.6	467	9	US-09-801-196-20	Sequence 20, Appl1
36	1.6	467	10	US-09-759-130B-176	Sequence 176, App
37	1.6	467	14	US-10-131-985-31	Sequence 31, Appl1
38	1.6	471	9	US-09-801-196-21	Sequence 21, Appl1
39	1.6	471	9	US-09-801-196-32	Sequence 32, Appl1
40	1.6	471	14	US-10-050-216B-6	Sequence 6, Appl1
41	1.6	471	14	US-10-075-063-1	Sequence 1, Appl1
42	1.6	471	14	US-10-131-985-41	Sequence 41, Appl1
43	1.6	471	15	US-10-115-479-52	Sequence 52, Appl1
44	1.6	471	15	US-10-115-479-54	Sequence 54, Appl1
45	1.5	18	9	US-09-734-002-7	Sequence 7, Appl1

ALIGNMENTS

RESULT 1
US-09-734-002-2
Sequence 2, Application US/09734002
Patent No. US20010016333A1
GENERAL INFORMATION:
APPLICANT: Notoharu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSER: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734,002
FILING DATE: 12-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: <Unknown>
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 607

TYPE: Amino acid
 STRANDEDNESS: Single
 TOPOLOGY: Linear
 MOLECULE TYPE: Protein
 ORIGINAL SOURCE:
 ORGANISM: Human
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 US-09-734-002-2

Query Match 100.0%; Score 607; DB 9; Length 607;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 607; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MILTFSTGRRLDVFHSGVFPLQTLMLICATVCGTEQYFVNEVWLQKXGYLPPTDRM 60
 DB 1 MILTFSTGRRLDVFHSGVFPLQTLMLICATVCGTEQYFVNEVWLQKXGYLPPTDRM 60
 QY 61 SVLSAETWQSAALAAQOFGYINMTGKVDNNTDMKKPRCGVPDQTRGSSKFIIRKRY 120
 DB 61 SVLSAETWQSAALAAQOFGYINMTGKVDNNTDMKKPRCGVPDQTRGSSKFIIRKRY 120
 QY 121 ALTGQKQKHITTSIKNTPKVGPDETRKAIIRAFDVWQNTPLTFEEVYSELENGKR 180
 DB 121 ALTGQKQKHITTSIKNTPKVGPDETRKAIIRAFDVWQNTPLTFEEVYSELENGKR 180
 QY 181 DVIDITIIIFASGFHSDSPFDGEGFLAAVFPFGIGDTHFDSDEPWTLGPNHDNDL 240
 DB 181 DVIDITIIIFASGFHSDSPFDGEGFLAAVFPFGIGDTHFDSDEPWTLGPNHDNDL 240
 QY 241 FLVAVHEIGHALGLEHSDPTAIAAPFYQVETDNFKLPNDLQGIQIKYGPDPKIPPT 300
 DB 241 FLVAVHEIGHALGLEHSDPTAIAAPFYQVETDNFKLPNDLQGIQIKYGPDPKIPPT 300
 QY 301 RPLPTVPPHRSIPPADPRKNDPRKPPRPTGRPSYPGAKPNI CDGNFTLAILRREMFV 360
 DB 301 RPLPTVPPHRSIPPADPRKNDPRKPPRPTGRPSYPGAKPNI CDGNFTLAILRREMFV 360
 QY 361 KQOMFWRRNNRWMDGYMOITTFWRGLPBSDAYVENSQNFVFFKGNKTVWFKDTLQ 420
 DB 361 KQOMFWRRNNRWMDGYMOITTFWRGLPBSDAYVENSQNFVFFKGNKTVWFKDTLQ 420
 QY 421 PGYPHDLITLGSIGIPPHGIDSAIWMEDVGKTYFFKGRDYRYSSEEMKTMDPGYPKPI 480
 DB 421 PGYPHDLITLGSIGIPPHGIDSAIWMEDVGKTYFFKGRDYRYSSEEMKTMDPGYPKPI 480
 QY 481 KGIPEPQGAFFVHKNNGFTTFYKGEYKFNNOILKVEBHPRSILKOPMGCDGPTDRYK 540
 DB 481 KGIPEPQGAFFVHKNNGFTTFYKGEYKFNNOILKVEBHPRSILKOPMGCDGPTDRYK 540
 QY 541 EGHSPDDVDIVIKLDTASTVKAIAIIPCLALCLLVVYTVFQFKKGTFRHILYCK 600
 DB 541 EGHSPDDVDIVIKLDTASTVKAIAIIPCLALCLLVVYTVFQFKKGTFRHILYCK 600
 QY 601 RSMQEWV 607
 DB 601 RSMQEWV 607

RESULT 2
 US-09-801-196-29

Sequence 29, Application US/09801196
 Patent No. US20020037827A1
 GENERAL INFORMATION:
 APPLICANT: Wang, Kai
 APPLICANT: Smith, Ryan
 APPLICANT: Fajardo, Mark
 APPLICANT: Moss, Patrick
 TITLE OF INVENTION: A NOVEL MATRIX METALLOPROTEINASE (MMP-25)
 TITLE OF INVENTION: EXPRESSED IN SKIN CELLS
 FILE REFERENCE: 240083.509
 CURRENT APPLICATION NUMBER: US/09/801,196
 CURRENT FILING DATE: 2001-03-06
 NUMBER OF SEQ ID NOS: 37

SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 29
 LENGTH: 607
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-801-196-29

Query Match 85.7%; Score 520; DB 9; Length 607;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 520; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MILTFSTGRRLDVFHSGVFPLQTLMLICATVCGTEQYFVNEVWLQKXGYLPPTDRM 60
 DB 1 MILTFSTGRRLDVFHSGVFPLQTLMLICATVCGTEQYFVNEVWLQKXGYLPPTDRM 60
 QY 61 SVLSAETWQSAALAAQOFGYINMTGKVDNNTDMKKPRCGVPDQTRGSSKFIIRKRY 120
 DB 61 SVLSAETWQSAALAAQOFGYINMTGKVDNNTDMKKPRCGVPDQTRGSSKFIIRKRY 120
 QY 121 ALTGQKQKHITTSIKNTPKVGPDETRKAIIRAFDVWQNTPLTFEEVYSELENGKR 180
 DB 121 ALTGQKQKHITTSIKNTPKVGPDETRKAIIRAFDVWQNTPLTFEEVYSELENGKR 180
 QY 181 DVIDITIIIFASGFHSDSPFDGEGFLAAVFPFGIGDTHFDSDEPWTLGPNHDNDL 240
 DB 181 DVIDITIIIFASGFHSDSPFDGEGFLAAVFPFGIGDTHFDSDEPWTLGPNHDNDL 240
 QY 241 FLVAVHEIGHALGLEHSDPTAIAAPFYQVETDNFKLPNDLQGIQIKYGPDPKIPPT 300
 DB 241 FLVAVHEIGHALGLEHSDPTAIAAPFYQVETDNFKLPNDLQGIQIKYGPDPKIPPT 300
 QY 301 RPLPTVPPHRSIPPADPRKNDPRKPPRPTGRPSYPGAKPNI CDGNFTLAILRREMFV 360
 DB 301 RPLPTVPPHRSIPPADPRKNDPRKPPRPTGRPSYPGAKPNI CDGNFTLAILRREMFV 360
 QY 361 KQOMFWRRNNRWMDGYMOITTFWRGLPBSDAYVENSQNFVFFKGNKTVWFKDTLQ 420
 DB 361 KQOMFWRRNNRWMDGYMOITTFWRGLPBSDAYVENSQNFVFFKGNKTVWFKDTLQ 420
 QY 421 PGYPHDLITLGSIGIPPHGIDSAIWMEDVGKTYFFKGRDYRYSSEEMKTMDPGYPKPI 480
 DB 421 PGYPHDLITLGSIGIPPHGIDSAIWMEDVGKTYFFKGRDYRYSSEEMKTMDPGYPKPI 480
 QY 481 KGIPEPQGAFFVHKNNGFTTFYKGEYKFNNOILKVEBHPRSILKOPMGCDGPTDRYK 520
 DB 481 KGIPEPQGAFFVHKNNGFTTFYKGEYKFNNOILKVEBHPRSILKOPMGCDGPTDRYK 520

RESULT 3

US-10-176-847-88
 Sequence 88, Application US/10176847
 Publication No. US20030068636A1
 GENERAL INFORMATION:
 APPLICANT: Vebby, Peter Ole
 TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR
 TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREA
 TITLE OF INVENTION: AND OVARIAN CANCER
 FILE REFERENCE: MRI-039
 CURRENT APPLICATION NUMBER: US/10/176,847
 CURRENT FILING DATE: 2002-06-21
 NUMBER OF SEQ ID NOS: 112
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 88
 LENGTH: 607
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-176-847-88

Query Match 85.7%; Score 520; DB 14; Length 607;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 520; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MILTFSTGRRLDVFHSGVFPLQTLMLICATVCGTEQYFVNEVWLQKXGYLPPTDRM 60

Db 1 MILITSTGRDLVDVHNSGVFLQTLMLICATVCGEYQYFNVEWLOKGYILPRDPBM 60
 Qy 61 SVLSAETMOSALAAAOQFYGINMTGKYDNTIDMKKRCGVPDQTRGSSKFIIRKRY 120
 Db 61 SVLSAETMOSALAAAOQFYGINMTGKYDNTIDMKKRCGVPDQTRGSSKFIIRKRY 120
 Qy 121 ALTGOKMOHKAITYTSINKVTPKVDPETRKAIIRAFVWQNTPLTFEEVPSYLENGR 180
 Db 121 ALTGOKMOHKAITYTSINKVTPKVDPETRKAIIRAFVWQNTPLTFEEVPSYLENGR 180
 Qy 181 DVIDITIFASGFHGDSSPFDEGGFLAAHAYFPGPGIGDTHFDSDEPWTLGPNHNDGNDL 240
 Db 181 DVIDITIFASGFHGDSSPFDEGGFLAAHAYFPGPGIGDTHFDSDEPWTLGPNHNDGNDL 240
 Qy 241 FLVAVHELGALGLESHNDPTAIAAFYQYMETNFKLPNDLOGIQKLYGPPDKIPPT 300
 Db 241 FLVAVHELGALGLESHNDPTAIAAFYQYMETNFKLPNDLOGIQKLYGPPDKIPPT 300
 Qy 301 RPLFTVPHRSIPPADPRKNDKPKPRPTGRSPYGAAPN1CDGNFTLAILREMEVF 360
 Db 301 RPLFTVPHRSIPPADPRKNDKPKPRPTGRSPYGAAPN1CDGNFTLAILREMEVF 360
 Qy 361 KQWTFVRVNNRVMDGYPMQITTFWRGLPESIDAVYENSOGNFVFFKGNKYVFKDITLQ 420
 Db 361 KQWTFVRVNNRVMDGYPMQITTFWRGLPESIDAVYENSOGNFVFFKGNKYVFKDITLQ 420
 Qy 421 PGYPHDLITLGSIGIPPHGIDSAIWMEDVGTFFKGDYRMYSEEMKTMDCGPKPIYTW 480
 Db 421 PGYPHDLITLGSIGIPPHGIDSAIWMEDVGTFFKGDYRMYSEEMKTMDCGPKPIYTW 480
 Qy 481 KGIPESPOGAFVHKENGFTTFYKGEYKWKNNQILKVEPG 520
 Db 481 KGIPESPOGAFVHKENGFTTFYKGEYKWKNNQILKVEPG 520

RESULT 4

US-10-131-985-47
 / Sequence 47, Application US/10131985
 / Publication No. US20030199440A1
 / GENERAL INFORMATION:
 / APPLICANT: Dack, Kevin N
 / APPLICANT: Davies, Michael J
 / APPLICANT: Fish, Paul V
 / APPLICANT: Huggins, Jonathan P
 / APPLICANT: McIntosh, Fraser S
 / APPLICANT: Ocleston, Nicholas L
 / TITLE OF INVENTION: Composition
 / FILE REFERENCE: PCS 10391A
 / CURRENT APPLICATION NUMBER: US/10/131,985
 / PRIOR FILING DATE: 2002-04-25
 / PRIOR APPLICATION NUMBER: US/09/126,295
 / PRIOR FILING DATE: 2000-11-30
 / PRIOR APPLICATION NUMBER: GB 9930768.8
 / PRIOR FILING DATE: 1999-12-29
 / NUMBER OF SEQ ID NOS: 60
 / SOFTWARE: PatentIn Ver. 2.1
 / SEQ ID NO 47
 / LENGTH: 607
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 / US-10-131-985-47

Query Match

Best local Similarity 85.7%; Score 520; DB 14; Length 607;
 Pred. No. 0;
 Matches 520; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MILITSTGRDLVDVHNSGVFLQTLMLICATVCGEYQYFNVEWLOKGYILPRDPBM 60
 Db 1 MILITSTGRDLVDVHNSGVFLQTLMLICATVCGEYQYFNVEWLOKGYILPRDPBM 60
 Qy 61 SVLSAETMOSALAAAOQFYGINMTGKYDNTIDMKKRCGVPDQTRGSSKFIIRKRY 120

Db 61 SVLSAETMOSALAAAOQFYGINMTGKYDNTIDMKKRCGVPDQTRGSSKFIIRKRY 120
 Qy 121 ALTGOKMOHKAITYTSINKVTPKVDPETRKAIIRAFVWQNTPLTFEEVPSYLENGR 180
 Db 121 ALTGOKMOHKAITYTSINKVTPKVDPETRKAIIRAFVWQNTPLTFEEVPSYLENGR 180
 Qy 181 DVIDITIFASGFHGDSSPFDEGGFLAAHAYFPGPGIGDTHFDSDEPWTLGPNHNDGNDL 240
 Db 181 DVIDITIFASGFHGDSSPFDEGGFLAAHAYFPGPGIGDTHFDSDEPWTLGPNHNDGNDL 240
 Qy 241 FLVAVHELGALGLESHNDPTAIAAFYQYMETNFKLPNDLOGIQKLYGPPDKIPPT 300
 Db 241 FLVAVHELGALGLESHNDPTAIAAFYQYMETNFKLPNDLOGIQKLYGPPDKIPPT 300
 Qy 301 RPLFTVPHRSIPPADPRKNDKPKPRPTGRSPYGAAPN1CDGNFTLAILREMEVF 360
 Db 301 RPLFTVPHRSIPPADPRKNDKPKPRPTGRSPYGAAPN1CDGNFTLAILREMEVF 360
 Qy 361 KQWTFVRVNNRVMDGYPMQITTFWRGLPESIDAVYENSOGNFVFFKGNKYVFKDITLQ 420
 Db 361 KQWTFVRVNNRVMDGYPMQITTFWRGLPESIDAVYENSOGNFVFFKGNKYVFKDITLQ 420
 Qy 421 PGYPHDLITLGSIGIPPHGIDSAIWMEDVGTFFKGDYRMYSEEMKTMDCGPKPIYTW 480
 Db 421 PGYPHDLITLGSIGIPPHGIDSAIWMEDVGTFFKGDYRMYSEEMKTMDCGPKPIYTW 480
 Qy 481 KGIPESPOGAFVHKENGFTTFYKGEYKWKNNQILKVEPG 520
 Db 481 KGIPESPOGAFVHKENGFTTFYKGEYKWKNNQILKVEPG 520

RESULT 5

US-09-864-761-36859
 / Sequence 36859, Application US/09864761
 / Patent No. US20020048763A1
 / GENERAL INFORMATION:
 / APPLICANT: Penn, Sharon G.
 / APPLICANT: Rank, David R.
 / APPLICANT: Hanzel, David K.
 / APPLICANT: Chen, Wensheng
 / TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL I
 / FILE REFERENCE: Aecm1ca-X-1
 / CURRENT APPLICATION NUMBER: US/09/864,761
 / PRIOR FILING DATE: 2001-05-23
 / PRIOR APPLICATION NUMBER: US 60/180,312
 / PRIOR FILING DATE: 2000-02-04
 / PRIOR APPLICATION NUMBER: US 60/207,456
 / PRIOR FILING DATE: 2000-05-26
 / PRIOR APPLICATION NUMBER: US 09/632,366
 / PRIOR FILING DATE: 2000-08-03
 / PRIOR APPLICATION NUMBER: GB 24263.6
 / PRIOR FILING DATE: 2000-10-04
 / PRIOR APPLICATION NUMBER: US 60/236,359
 / PRIOR FILING DATE: 2000-09-27
 / PRIOR APPLICATION NUMBER: PCT/US01/00666
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00667
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00664
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00669
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00665
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00668
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00663
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00662
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00661
 / PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 36859
LENGTH: 114
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL121752.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.9
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.6
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.4
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.1
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.1
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.2
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
OTHER INFORMATION: EST HUMAN HIT: AU119732.1, EVALUATE 3.00e-47
OTHER INFORMATION: SWISSPROT HIT: P51512, EVALUATE 3.00e-48
US-09-864-761-36859

Query Match 7.4%; Score 45; DB 9; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.2e-33;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 188 FASGFGDSSPFDGEGFLAHAYFPGGIGGDTHTFSDSEPTWLTGN 232
DB 53 FASGFGDSSPFDGEGFLAHAYFPGGIGGDTHTFSDSEPTWLTGN 97

RESULT 6
US-09-891-160-2
Sequence 2, Application US/09891160
Patent No. US20020103354A1
GENERAL INFORMATION:
APPLICANT: Anthony J. Atleth
APPLICANT: Anne Romanic-Arnold
APPLICANT: Xiaotong Li
APPLICANT: Yuan Zhu
TITLE OF INVENTION: A SPLICING VARIANT OF HUMAN
TITLE OF INVENTION: MEMBRANE-TYPE MATRIX METALLOPROTEINASE-5 (MT-MMP-5)
FILE REFERENCE: GH-70613-01
CURRENT APPLICATION NUMBER: US/09/891,160
CURRENT FILING DATE: 2001-06-25
PRIOR APPLICATION NUMBER: US 09/294,841
PRIOR FILING DATE: 1999-04-20
PRIOR APPLICATION NUMBER: PCT/US00/10539
PRIOR FILING DATE: 2000-04-19
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 532
TYPE: PRT
ORGANISM: HOMO SAPIENS
US-09-891-160-2

Query Match 7.4%; Score 45; DB 9; Length 532;
Best Local Similarity 100.0%; Pred. No. 4.2e-33;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 188 FASGFGDSSPFDGEGFLAHAYFPGGIGGDTHTFSDSEPTWLTGN 232
DB 111 FASGFGDSSPFDGEGFLAHAYFPGGIGGDTHTFSDSEPTWLTGN 155

RESULT 7
US-10-406-209-5
Sequence 5, Application US/10406209
Publication No. US20030170758A1
GENERAL INFORMATION:
APPLICANT: KYOMA HAKKO KOGYO CO., LTD.
TITLE OF INVENTION: NOVEL ANTIBODIES, DRUGS CONTAINING THESE ANTIBODIES AND
TITLE OF INVENTION: METHODS FOR
TITLE OF INVENTION: SCREENING COMPOUNDS BY USING THESE ANTIBODIES
FILE REFERENCE: 1241.19
CURRENT APPLICATION NUMBER: US/10/406,209
CURRENT FILING DATE: 2003-04-04
PRIOR APPLICATION NUMBER: US/09/806,228C
PRIOR FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/JP99/05350
PRIOR FILING DATE: EARLIER FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: JP 10-291501
PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: JP 10-291503
PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 618
TYPE: PRT
ORGANISM: Mouse
US-10-406-209-5

Query Match 7.4%; Score 45; DB 14; Length 618;
Best Local Similarity 100.0%; Pred. No. 4.8e-33;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 188 FASGFGDSSPFDGEGFLAHAYFPGGIGGDTHTFSDSEPTWLTGN 232
DB 197 FASGFGDSSPFDGEGFLAHAYFPGGIGGDTHTFSDSEPTWLTGN 241

RESULT 8
US-10-406-209-6
Sequence 6, Application US/10406209
Publication No. US20030170758A1
GENERAL INFORMATION:
APPLICANT: KYOMA HAKKO KOGYO CO., LTD.
TITLE OF INVENTION: NOVEL ANTIBODIES, DRUGS CONTAINING THESE ANTIBODIES AND
TITLE OF INVENTION: METHODS FOR
TITLE OF INVENTION: SCREENING COMPOUNDS BY USING THESE ANTIBODIES
FILE REFERENCE: 1241.19
CURRENT APPLICATION NUMBER: US/10/406,209
CURRENT FILING DATE: 2003-04-04
PRIOR APPLICATION NUMBER: US/09/806,228C
PRIOR FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/JP99/05350
PRIOR FILING DATE: EARLIER FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: JP 10-291501
PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: JP 10-291503
PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 645
TYPE: PRT
ORGANISM: Homo sapiens
US-10-406-209-6

Query Match 7.4%; Score 45; DB 14; Length 645;
Best Local Similarity 100.0%; Pred. No. 4.9e-33;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 188 FASGFGDSSPFDGEGFLAHAYFPGGIGGDTHTFSDSEPTWLTGN 232
DB 224 FASGFGDSSPFDGEGFLAHAYFPGGIGGDTHTFSDSEPTWLTGN 268

RESULT 9
US-10-131-985-57
Sequence 57, Application US/10131985
Publication No. US20030199440A1
GENERAL INFORMATION:
APPLICANT: Dack, Kevin N
APPLICANT: Davies, Michael J
APPLICANT: Fish, Paul V
APPLICANT: Huggins, Jonathan P
APPLICANT: McIntosh, Fraser S
APPLICANT: Occleston, Nicholas L
TITLE OF INVENTION: Composition
FILE REFERENCE: PCS 10391A
CURRENT APPLICATION NUMBER: US/10/131,985
CURRENT FILING DATE: 2002-04-25
PRIOR APPLICATION NUMBER: US/09/726,295
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: GB 9930768.8
PRIOR FILING DATE: 1999-12-29
NUMBER OF SEQ ID NOS: 60
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 57
LENGTH: 645
TYPE: PRT
ORGANISM: Homo sapiens
US-10-131-985-57

Query Match
Best Local Similarity 100.0%; Pred. No. 4.9e-33;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 188 FASGFGDSSPFDEGGFLAHAYFPGPGIGDTHFDSDEPWTLGN 232
Db 224 FASGFGDSSPFDEGGFLAHAYFPGPGIGDTHFDSDEPWTLGN 268

RESULT 10
US-09-734-002-13
Sequence 13, Application US/09734002
Patent No. US2001001633A1
GENERAL INFORMATION:
APPLICANT: Motoharu SEIKI et al.
TITLE OF INVENTION: NOVEL PROTEIN AND MONOCLONAL ANTIBODY SPECIFIC THERETO
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Wenderoth, Lind & Ponack, L.L.P.
STREET: 2033 K Street, N.W., Suite 800
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: WordPerfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734,002
FILING DATE: 12-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/J96/01956
FILING DATE: July 12, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Lee Cheng
REGISTRATION NUMBER: 40,949
REFERENCE/DOCKET NUMBER: <Unknown>
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 24
TYPE: Amino Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-734-002-13

Query Match
Best Local Similarity 100.0%; Pred. No. 9.9e-15;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 564 AIAIVIPCLALCLLVVYTFQF 587
Db 1 AIAIVIPCLALCLLVVYTFQF 24

RESULT 11
US-10-133-797-6
Sequence 6, Application US/10133797
Publication No. US20030109021A1
GENERAL INFORMATION:
APPLICANT: Wl, Shujian
APPLICANT: Chen, Jian
APPLICANT: Feder, John
APPLICANT: Lee, Lianna
APPLICANT: Krystek, Stanley
TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL METALLOPROTEASE HIGHLY
TITLE OF INVENTION: EXPRESSED IN THE TESTIS, MMP-29
FILE REFERENCE: D0141NP
CURRENT APPLICATION NUMBER: US/10/133,797
CURRENT FILING DATE: 2002-04-26
PRIOR APPLICATION NUMBER: US 60/286,764
PRIOR FILING DATE: 2001-04-26
NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 582
TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-133-797-6

Query Match
Best Local Similarity 100.0%; Pred. No. 7.3e-10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 241 FLVAVHELGHALGHSNDP 260
Db 234 FLVAVHELGHALGHSNDP 253

RESULT 12
US-09-801-196-28
Sequence 28, Application US/09801196
Patent No. US20020037827A1
GENERAL INFORMATION:
APPLICANT: Wang, Kai
APPLICANT: Smith, Ryan
APPLICANT: Rajardo, Mark
APPLICANT: Moss, Patrick
TITLE OF INVENTION: A NOVEL MATRIX METALLOPROTEINASE (MMP-25)
FILE REFERENCE: 240083.509
CURRENT APPLICATION NUMBER: US/09/801,196
CURRENT FILING DATE: 2001-03-06
NUMBER OF SEQ ID NOS: 37
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 28
LENGTH: 669
TYPE: PRT
ORGANISM: Homo sapiens

US-09-801-196-28

Query Match 3.0%; Score 18; DB 9; Length 669;
Best Local Similarity 100.0%; Pred. No. 5.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 240 LFLVAVHELGHALGLEHS 257
DB 253 LFLVAVHELGHALGLEHS 270

RESULT 13

US-10-131-985-45
Sequence 45; Application US/10131985
Publication No. US20030199440A1
GENERAL INFORMATION:
APPLICANT: Dack, Kevin N
APPLICANT: Davies, Michael J
APPLICANT: Fish, Paul V
APPLICANT: Huggins, Jonathan P
APPLICANT: McIntosh, Fraser S
APPLICANT: Ocleston, Nicholas L
TITLE OF INVENTION: Composition
FILE REFERENCE: PCS 10391A
CURRENT APPLICATION NUMBER: US/10/131,985
CURRENT FILING DATE: 2002-04-25
PRIOR APPLICATION NUMBER: US/09/726,295
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: GB 9930768.8
PRIOR FILING DATE: 1999-12-29
NUMBER OF SEQ ID NOS: 60
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 45
LENGTH: 669
TYPE: PRT
ORGANISM: Homo sapiens
US-10-131-985-45

Query Match 3.0%; Score 18; DB 14; Length 669;
Best Local Similarity 100.0%; Pred. No. 5.9e-08;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 240 LFLVAVHELGHALGLEHS 257
DB 253 LFLVAVHELGHALGLEHS 270

RESULT 14

US-09-916-658-4
Sequence 4; Application US/09916658
Patent No. US2002025310A1
GENERAL INFORMATION:
APPLICANT: Strongin, Alex Y.
APPLICANT: Deryugina, Elena I.
TITLE OF INVENTION: Screening Methods Based On
FIBRINOLYTIC ACTIVITY
FILE REFERENCE: P-LI 4811
CURRENT APPLICATION NUMBER: US/09/916,658
CURRENT FILING DATE: 2001-07-26
PRIOR APPLICATION NUMBER: US 60/220,706
PRIOR FILING DATE: 2000-07-26
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4
LENGTH: 582
TYPE: PRT
ORGANISM: Homo sapiens
US-09-916-658-4

Query Match 2.8%; Score 17; DB 9; Length 582;
Best Local Similarity 100.0%; Pred. No. 4.5e-07;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 PFDGEGFLAHAYFPGP 214
DB 191 PFDGEGFLAHAYFPGP 207

RESULT 15

US-09-801-196-27
Sequence 27; Application US/09801196
Patent No. US20020037827A1
GENERAL INFORMATION:
APPLICANT: Wang, Kai
APPLICANT: Smith, Ryan
APPLICANT: Fajardo, Mark
APPLICANT: Moss, Patrick
TITLE OF INVENTION: A NOVEL MATRIX METALLOPROTEINASE (MMP-25)
FILE REFERENCE: 240083.509
CURRENT APPLICATION NUMBER: US/09/801,196
CURRENT FILING DATE: 2001-03-06
NUMBER OF SEQ ID NOS: 37
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 27
LENGTH: 582
TYPE: PRT
ORGANISM: Homo sapiens
US-09-801-196-27

Query Match 2.8%; Score 17; DB 9; Length 582;
Best Local Similarity 100.0%; Pred. No. 4.5e-07;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 198 PFDGEGFLAHAYFPGP 214
DB 191 PFDGEGFLAHAYFPGP 207

Search completed: March 15, 2004, 13:15:40
Job time: 40 secs